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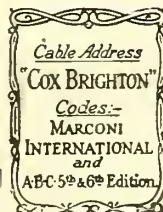
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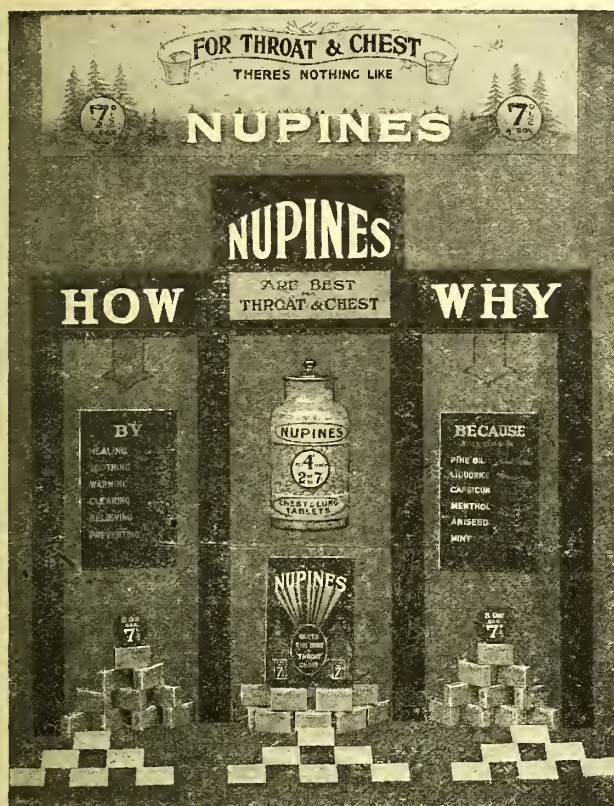
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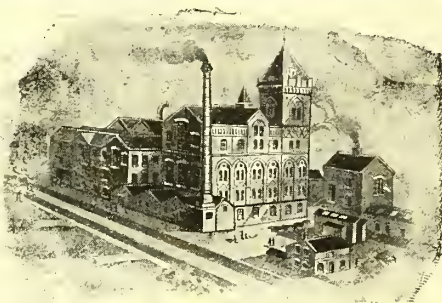
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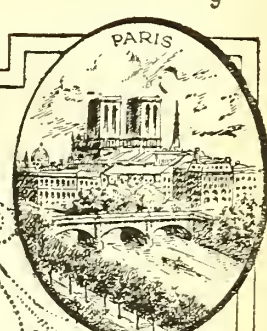
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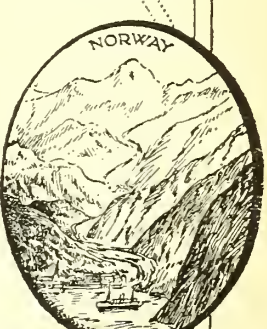
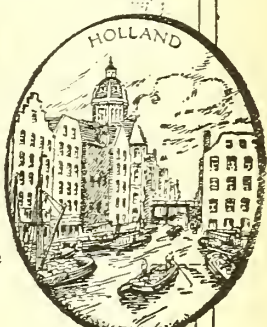
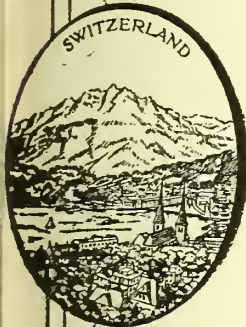
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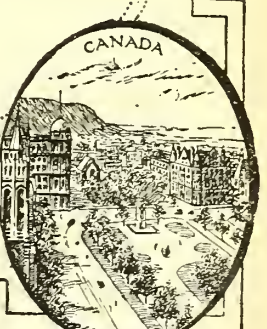
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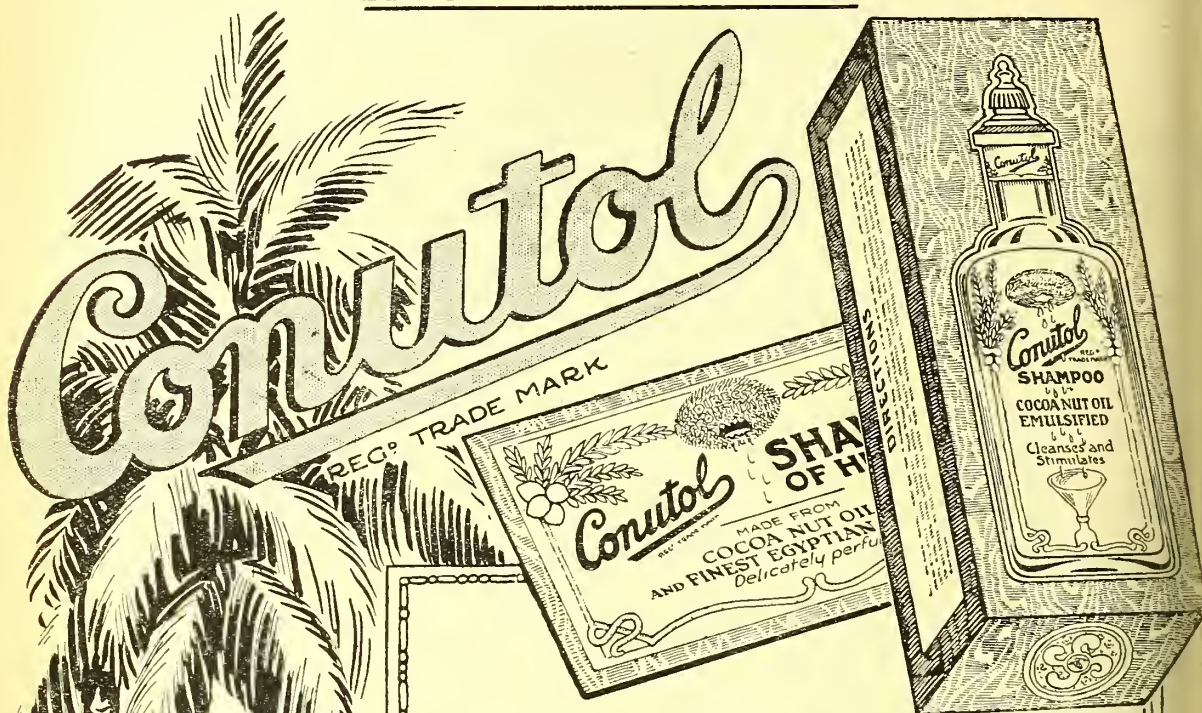


R. W. Greeff & Co., Ltd.
THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.4.

MANCHESTER BRANCH
Lloyds Bank Buildings,
King Street.

NEW YORK AGENTS
R. W. Greeff & Co., Inc.,
78 Front Street.



SPECIAL BONUS TERMS

LIQUID SHAMPOO AND SHAMPOO OF HENNA POWDERS.

LIQUID

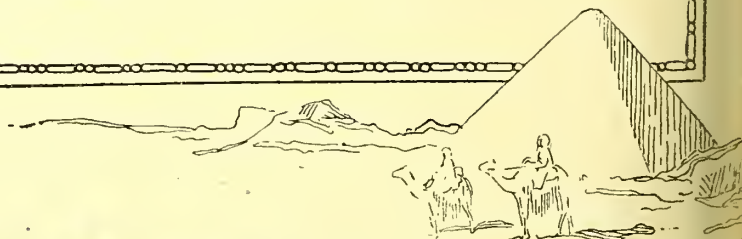
An emulsified Cocoa Nut Oil in its purest form.
4 oz. Retails at 2/-, Costs 15/- per doz.

With orders for 1 doz. you get 1 doz. Conutol Shampoo
Powders free; with orders for 2 doz., 3 doz. Conutol
Shampoo Powders free.

POWDERS

Emulsified Cocoa Nut Oil with Egyptian Henna.
In Envelopes. Retail at 3d., Cost 20/- per gross.

With 1 gross you get 2 bottles of Conutol Liquid Shampoo
free; or with 2 gross orders 6 bottles of Liquid Conutol
Shampoo free.



Spanglers
S. SPANGLER & SONS
LONDON & NEW YORK

258 Euston Road, London, N.W.

Maw's

February 5, 1921



Page

No. 486.

A million customers each year

Approximately 1,000,000 babies are born each year in the British Isles. For each of these 1,000,000 babies at least one powder puff is bought, probably two or three. Think of the business in powder puffs which is to be done in this direction alone, quite apart from the enormous number of puffs that are sold each year to satisfy the exacting demands of modern femininity. Every mother that enters your shop is a prospective customer for a powder puff. Are you participating in this business? Maw's Series of Dainty Powder Puffs enables the chemist to meet the demands of customers of all tastes. They make it possible for him to secure his fair share of this important business.

We can supply you with a selection of eighteen of the most popular patterns of Maw's Puffs, together with an attractive showcard for £1 net. These will make a distinctive display in your showcase or shop window, and will produce quick sales and substantial profits.

*Send for full particulars of
Maw's Dainty Powder Puffs.*

Telephone:
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Private
Branch
Exchange

Telegrams:
Eleven
Cent
London

S. Maw, Son & Sons, Ltd.
Aldersgate St., London.
and Barnet.

Cables,
Eleven
London

Code
A.B.C.
4th & 5th
Edition



ADEPS LANÆ, P.B.

AN AMALGAMATION

In order that the manufacture of LANOLINE may be retained in this country, and that supplies may be adequate, two BRITISH MAKERS are combining forces.

LANOLINE

IS NOW OFFERED IN ANY QUANTITY
AT COMPETITIVE PRICES.

QUALITY BETTER THAN PRE-WAR.

When in the market your enquiries will be valued.

Samples upon application.



All communications should be addressed to

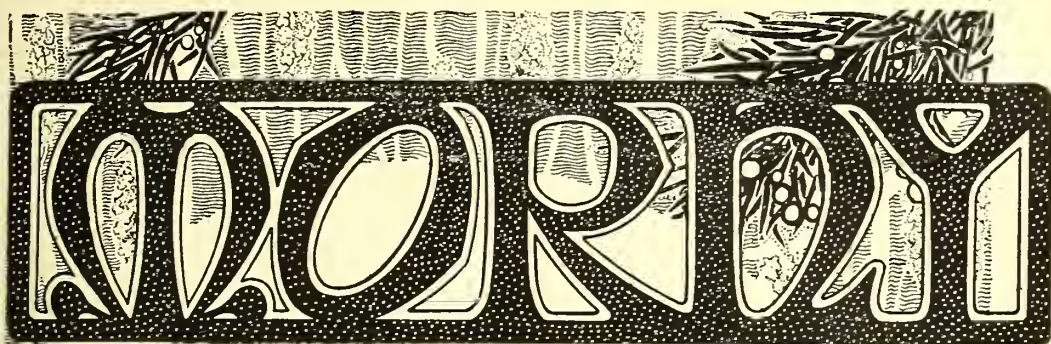
THE C.V.O. CHEMICAL WORKS (1919) LIMITED,

Incorporating

THE BRITISH LANOLINE COMPANY
PETERSHAM ROAD, RICHMOND, SURREY.

Telephone : Richmond 746.

Telegrams : "Chemical, Richmond, Surrey."



PARFUMS DE LUXE

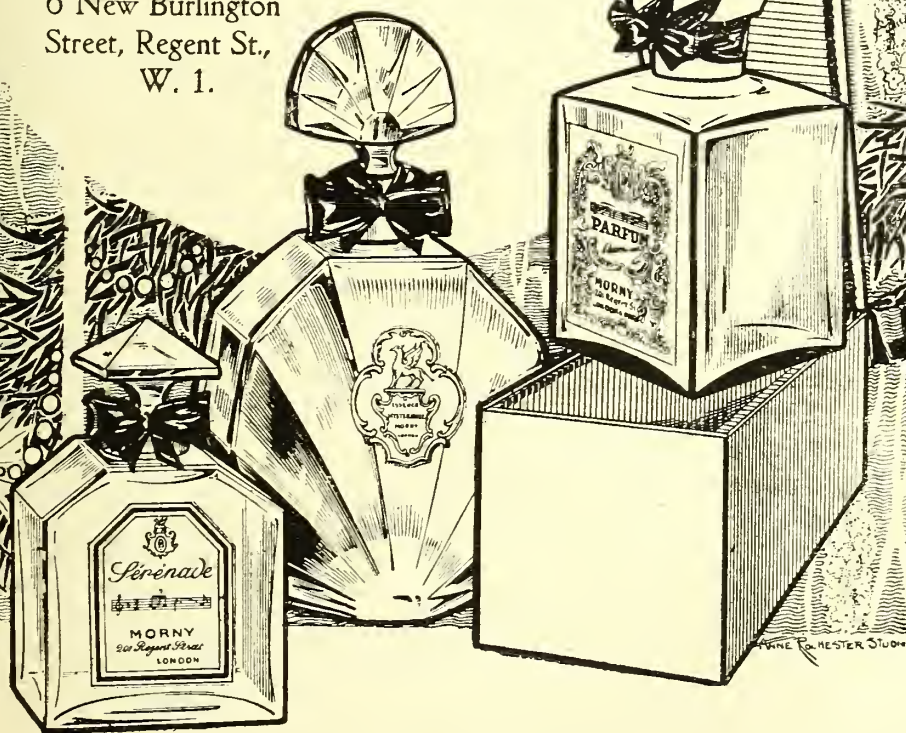
"Chaminade"
"Mystérieuse"
"Sérénade"
"June Roses" &c.

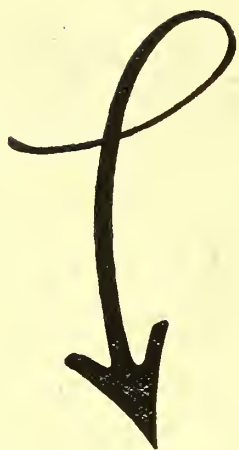
From this selected FOUR of the many original MORNÉ Bouquets the individual taste of 99% of your Customers may be met to your and their permanent satisfaction.

Write for Price List and Terms to :

MORNÉ FRÈRES LIMITED

6 New Burlington
Street, Regent St.,
W. 1.





open an account with
The Leighton Laboratories
and know what good
service means.

Send a postcard for particulars of monthly parcel series. These are supplied on most advantageous terms, and carry special extra discounts, forceful display advertising matter, and counter wrappers supplied free.

Goods you are asked for :

Leighton Hair Beauty Outfit.
Quin-Quenna.
Quin-Quenna Extrait.
Quinolox.
Quin-Quenna Hair Cream.
Bi-Pastrate of Quinolox.
Sapinol Washing Cream.
Sapinol Dusting Powder.
Sapinol Rose (a Cream).
Sapinol Rose Leaf (Powder).
Sapinol Egg Shampoo.
Sapinol Henna Shampoo.
Sapinol Perfume Stone.
Sapinol Whyteleaf.
Sapinol Dental Foam.
Papillon Beauty Food.
Poudre Papillon.
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Triple Extract of Almate.

Manufacturers and Sole Proprietors,
LEIGHTON LABORATORIES
GRAY'S INN ROAD, LONDON, W.C. 1

AYRTON'S WEEKLY

Special Bonus Offer—

With an order for a gross of any Ayrton Toilet Article or Household Remedy listed below we will send, free of charge, one dozen.

The only stipulation is that you agree to make a window display of the Preparation for not less than two weeks.

This bonus offer covers the following Preparations:—

Ayrton's Cocoanut Oil Shampoo			
Per dozen	 16/6	Per gross	 198/-
Ayrton's C.N.O. (Cocoanut Oil) Shampoo Tablet			
Per dozen	 10/-	Per gross	 114/-
Ayrton's Complexion Wax			
Per dozen	 10/-	Per gross	 114/-
Ayrton's Dental Cream			
Per dozen	 8/-	Per gross	 93/-
Ayrton's Figolets (Regd.)			
Per dozen	 10/-	Per gross	 114/-
Ayrton's Hair Remover &			
Per dozen	 10/-	Per gross	 114/-
P.K.L. (Pain-Killing Liniment)			
Per dozen	 12/-	Per gross	 144/-
Ayrton's Pinettes			
Small size, per dozen	 5/6	Per gross	 63/-
Large size	 7/9	Per gross	 90/-
Ayrton's Mints			
Small size, per dozen	 4/-	Per gross	 45/-
Large size	 7/-	Per gross	 78/-
Ayrton's Solidified Brilliantine			
Per dozen	 9/6	Per gross	 108/-
Ayrton's Skin Cream			
Per dozen	 8/-	Per gross	 96/-
Ayrton's Talcum Powder			
Per dozen	 8/-	Per gross	 90/-
Ayrton's Winter Cream			
Per dozen	 8/-	Per gross	 96/-

£5 orders Carriage Paid. Showcards, Window Posters, Weight Cards, Blotters, etc. supplied with all orders.

Write for Price List of Ayrton Toilet Articles and Household Remedies, and particulars of Sales Helps.

London Agents for

Ayrton

**Toilet Articles and
Household Remedies**

J. C. GAMBLE & CO.

49 FARRINGTON STREET

LONDON, E.C. 4

AYRTON, SAUNDERS & Co. LTD

Manufacturing Chemists

LIVERPOOL

Francis Newbery & Sons,
LIMITED,
LONDON AND CARDIFF.

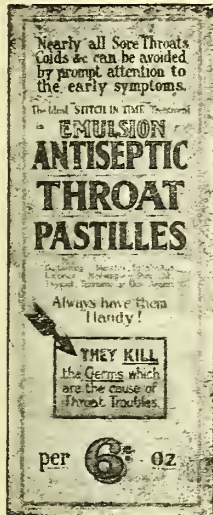
Have now completed arrange-
ments for the Supply of every
class of

**MEDICATED
LOZENGES**

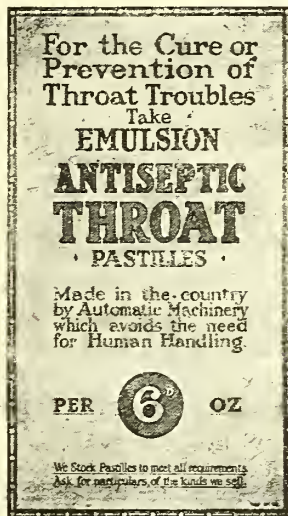
Including

ALL B.P. FORMULÆ.

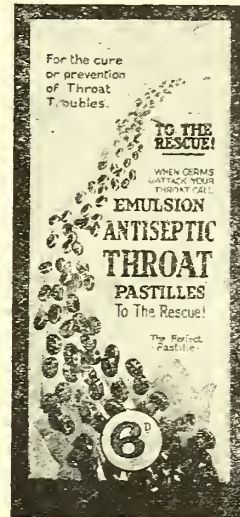
*Write for Prices, or our Representative will call on
receipt of a Postcard with Samples.*



Ref. No. 3



Ref. No. 22



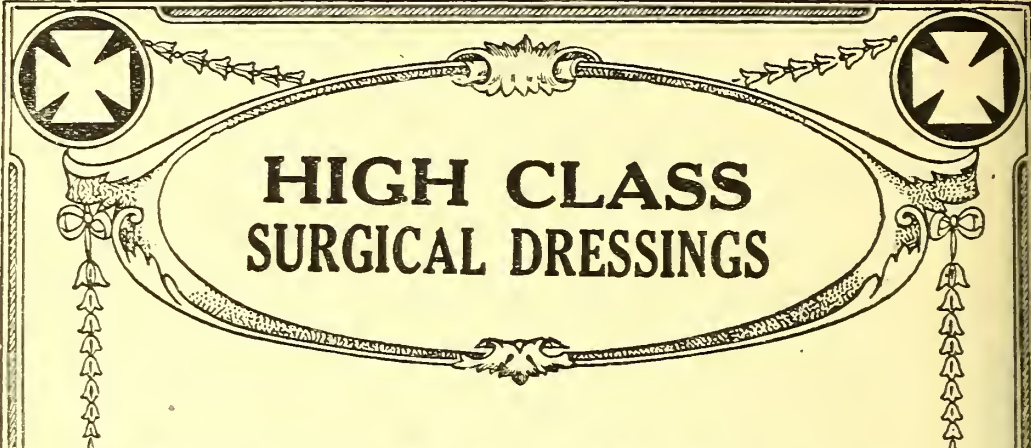
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SHOWCARDS FOR EMULSION ANTISEPTIC THROAT PASTILLES

These coloured panel cards, 19 inches high, have proved strong business builders. Chemists ordering "Emulsion" Throat Pastilles have choice of design by quoting reference number. The above circular counter card is also supplied free with all orders. Prices other than 6d. per oz. will be substituted on request. Price of Emulsion Throat Pastilles is 3/3 per lb.

THOMAS KERFOOT & CO LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

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HIGH CLASS SURGICAL DRESSINGS

First - Aid Cabinets for Chemical Works

In compliance with new draft Home Office Order.

Your enquiries are invited for complete Cabinets, and also for Dressings in bulk. Ambulance equipment of every description supplied promptly. A descriptive price list will be mailed on receipt of a post card.

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Telephone: City 8744. Telegrams: "UNDISPUTED, FINSQUARE, LONDON."

ROBERT BAILEY & SON, Ltd.,
SURGICAL DRESSING MANUFACTURERS,
MARRIOTT STREET MILLS, STOCKPORT.
CABLES UNDISPUTED, STOCKPORT. CODE A B C 5TH EDITION.



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We invite applications for copies of our Price List for Plasters which indicates the range of lines we manufacture, including:

ADHESIVE. Rubber Combination. Spools, tins, or rolls.

POROUS. All kinds.

MARGINAL. A full range.

MUSTARD. On cloth or paper, in envelopes or tins.

ZINC OXIDE. Spools or tins.

COURT PLASTERS on cloth or silk. Plain or perforated etc. etc.



CUXSON, GERRARD & CO. LD.
OLDBURY, near BIRMINGHAM.

Export and Colonial inquiries specially invited.

ROSE & CO.

Brillantine-Chlorophyll

THE ONLY COMBINATION.

Write for SAMPLES and QUOTATIONS.

HAARLEM - HOLLAND.

CHLOROPHYLL S

(aqueous solution)

Suitable for Perfumery, Confectionery, Liqueurs, etc.

ABSOLUTELY PURE AND GUARANTEED HARMLESS.

THE SANDOZ CHEMICAL CO. LTD., Bradford.

ROURE BERTRAND FILS, GRASSE. Established 1820.

LAVENDER (French), SPIKE LAVENDER (French and Spanish)

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ORRIS CONCRETE and LIQUID.

ESSENCES, SOLIDES and LIQUIDS from flowers.

RESINOIDS and POMADES.

We have Stocks in London of the most important Essential Oils and Perfumery Products.

JUSTIN DUPONT, Argenteuil (S. & O.), France

Makers of SYNTHETIC PERFUMES

and some of the finest original odours extant, for Sachets, &c.

SOLE AGENTS FOR THE UNITED KINGDOM:

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Wholesale Houses only supplied.

MUSK AMBRA MUSK KETONE MUSK XYLOL MUSTARD OIL, ART.

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AROMATIC CHEMICALS
FLOWER OILS
SYNTHETIC PERFUMES

Mr. RAAB, who has been paying a short business visit to this country, regrets inability, owing to lack of time, to make a personal call on all his customers.

Any inquiries, however, forwarded to Roermond will be promptly attended to.

H. RAAB & CO.
ROERMOND . HOLLAND

MUSK AMBRA

MUSK KETONE

MUSK XYLOL

MUSTARD OIL ART.

MUSK AMBRA MUSK KETONE MUSK XYLOL MUSTARD OIL, ART.

N.V. CHEMISCHE FABRIEK "NAARDEN"

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ESSENTIAL OILS, &c.

for the Soap, Confectionery, Mineral
Water, Tobacco and Allied Trades.

SPECIALISTS

in the manufacture of SYNTHETIC
Products for the Perfumery Trade.

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"ARETHUSA"

Brand

ESSENTIAL OILS

LEMON, ORANGE (Sweet & Bitter)
BERGAMOT :: MANDARIN

Guaranteed absolutely pure

**The Brand that covers only Finest
Quality Oils.**

*Manufactured by the old-established house of
FRATELLI JUNG (Est. 1867) Palermo.
Messina, Catania.*

ASK YOUR USUAL SUPPLIERS
to deliver you "Arethusa" Essential Oils,
or apply to the London Agents :

**Gerald McDonald & Co.,
9 BOTOLPH LANE - E.C.3.**

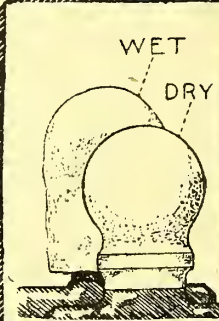
Telegrams : "Spicebush, Bilgate, London."
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CAPPING SKINS

WHITE AND COLOURED SPLITS,
OPAQUE AND TRANSPARENT
BAUDRUCHE. SPRINKLERS.
GLASS BOTTLES OF ALL DESCRIPTIONS

ARTHUR TOOMBS & CO., Perfumers' Suppliers
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Telephone : Central 13374.
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**The SELF-FIXING
HERMETIC
WASHABLE
Bottle Caps**

are strongest, simplest,
cheapest, best. Trans-
parent, opaque or
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delivery. Carriage paid.

**THE VISCOSE
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Synthetic & Aromatic Chemicals Essential Oils, Flower Oils, &c.

LEMON · BERGAMOT · ORANGE · MANDARIN

PURE FOOD COLOURS In accordance with Pure
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SELF-FIXING BOTTLE CAPS

Made by CHEMICAL WORKS "THALES," AMSTERDAM.

For Samples and Prices apply to :

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Minerva House, 26-27 HATTON GARDEN, LONDON, E.C. 1

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Distillers of Essential Oils,

Agent to POLAK & SCHWARZ, LTD., ZAANDAM;
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CHEMICAL WORKS "THALES," AMSTERDAM.

AMERICAN ESSENTIAL OILS

"MOHAWK" BRAND

OIL PEPPERMINT (Natural)

OIL CEDARWOOD
OIL CEDARLEAF

OIL HEMLOCK
OIL BIRCH

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MAGNUS, MABEE & REYNARD, Inc.

Essential Oils, Chemicals and Drugs,
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Cables—"MAGLAUR."

MUSK GENUINE INDIAN

SPOT DELIVERY.
Price on Application.

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Drug and Chemical Manufacturers,
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Shipkoff's Pure Otto of Rose

Nature ordained that Otto of Rose should have certain chemical and physical contents. Fakers design rose oils having the same contents, but they are not Otto of Rose.

Shipkoff's Otto of Rose is Nature's Otto.
Before placing your contract be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 & 4-oz. sizes.

ONCE TRIED—ALWAYS USED.

Highest Awards at all Universal Expositions, including
Four Grand Prizes.

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B RANCH OFFICE IN SOFIA.

Model Steam Factories in K. zanlik, Kalofer, Kerlovo and
Rahmenlari. London Depot—

G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C.1.

TERPENELESS OILS

BRITISH MADE

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the world.

WE SPECIALISE IN TERPENELESS :

Anise (Anethol)

Bay

Bergamot

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Cassia

Cinnamon

Clove

Dill

Geranium

Ginger

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—SICILIAN—
LEMON - BERGAMOT
ORANGE - MANDARINE.

—SPINELLI—

The Oils that have a Long
Reputation for Quality.

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that the "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is a quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any analysis as to purity.

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A B C Code, 5th Edition.
Western Union.

Telegrams: "LANDSLOH LONDON."
Telephone: Hop 898.

AUSTRALIAN AGENTS.—GURY, MILLAR & CO., LTD., 350 Kent Street, SYDNEY.

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Eucalyptus Oil

B.P. 80 % Eucalyptol.

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Large Stocks for Immediate Delivery
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Buy from the Actual Distillers.

EUCALYPTUS

B.P. & U.S.P. OILS 60/65% 70%
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EUCALYPTOL
(CINEOL)

We will quote you C.I.F. afloat or ex London Stocks.

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Très chic!



"Konol" Liquid Shampoo

(Emulsified Coconut Oil)

The popularity this line has enjoyed since its introduction two weeks ago is evidence of the satisfaction it gives to all those who handle it. The novel triangular-shaped carton, in mauve and yellow on black ground, makes an irresistible appeal to people who like dainty toilet articles in the bathroom, and the quality and value of the contents are such that "repeats" are bound to follow.

PRICES:

14/- dozen; 6 dozen, 13/6; 12 dozen, 13/-
Less 5% to a/c. Retail 2/-
Showcard supplied free.

EVANS SONS LESCHER & WEBB LTD.
Liverpool. New York. London.





EVAN WILLIAM'S ORIGINAL Henna Shampoo

Your Customers
will insist on the
Evan Williams'
HENNA
SHAMPOO

having been taught
by experience. Are
you ready to meet
their demands?

Stock moves freely
at a handsome profit.

Full particulars are in-
cluded in *The SHAMPOO*
SALESMAN, which is
sent free on request.

The EVAN WILLIAMS CO., LTD.,
18 & 18a, Onle St., Foley St., London, W.1.

The three quick SELLING LINES with a good profit.

Anzora Cream for those with
slightly greasy scalps, and

Anzora Viola, most suitable for
those who have a dry scalp.

Anzora Beta-Naphthol Soap
(Powdered) for Shampooing.

Don't forget, we back you with

Forceful Publicity
Attractive Showcards
Handsome Profits

Obtainable from all Wholesalers.

TRADE TERMS.

12/- doz. ... retailed at 18/-
20/- " ... " 30/-

Write to-day for particulars of
Special Display Terms.



ANZORA

Masters the Hair

Anzora Perfumery Co., Ltd., Willesden Lane, London, N.W.

"Jackel's Cream"

(without Grease
for THE HAIR)

Sold everywhere
Established 1883.



CRYSTALLISED
1/9 CREAM 2/6

Trade Mark attached to each
bottle.

"Jackel's Cream"
fixes the hair in any
sired position; is
excelled as a dress-
and does not soil
headware. It removes
Scurf and Dandruff,
keeps the scalp healthy,
and promotes the nat-
ural growth of the hair
while maintaining
softness and brillian-
cy.

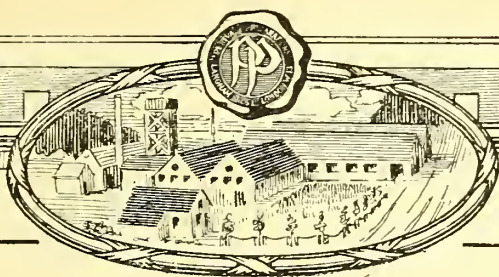
Prices for Wholesale and Ex-
tra Houses on application.

Jackel et Cie (of Paris)
Ltd.

Sauchiehall Street
GLASGOW.

"Perivale"

Page.



*Increase your Income
by stocking and selling*

"PERIVALE" HAIR CREAM

(One of the "Perivale" Preparation Series)

*Profits and
Live Stock.*

EVERY retailer knows the risk he runs by locking up his capital in "dead stock."

With a really live article, which sells at sight, YOU can turn your capital over time and again, each time it will be earning good sound profits for you.

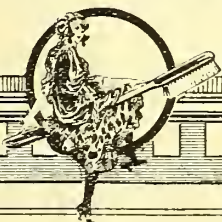
"PERIVALE" HAIR CREAM, owing to its smart appearance, is a really quick seller, which shows you a PROFIT of 44 % on your turnover. Retail at 2/3, and costs 15/- dozen.

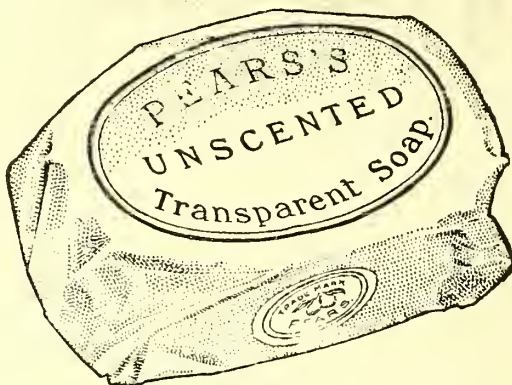
"PERIVALE" HAIR CREAM is a preparation needed by every man who studies smart appearance. It is non-greasy, and imparts a lustre to the hair, which it maintains in any desired position.

GOOD QUALITY—GOOD PACKING—GOOD PROFITS AND QUICK SALES.

*Write To-day for Samples,
Terms, and Special Offer.*

LANGHAM BROTHERS, LIMITED,
MANUFACTURERS OF **PERIVALE,** FINE CHEMICALS,
WEST EALING, W.13.





The Public want
Pears' SOAP

because they know *why* it is
 Matchless for the Complexion

One hundred and thirty years of competition have steadily increased the popularity of Pears' Transparent Soap; Its sale to-day is actually greater than it has ever been; and our returns show that it is still growing. Our returns show that more and more people, who have hitherto taken no particular trouble about the soap they use, are being convinced by our

arguments that the special processes of its manufacture give qualities to Pears that no other kinds possess. They are learning *why* Pears' Soap is matchless for the complexion; that is why they insist upon getting it. A 'PEARS' customer is a valuable one. He is of the substantial sort and has special reasons for his preference. Do not risk disappointing him

Pears' Golden Series, comprising every necessity for the toilet of woman and man, has caught the public fancy completely. It sells on sight and you are missing profitable business if you do not stock it.

A. & F. Pears, Ltd., 71-75, New Oxford Street, London, W.C. 1.

STIMULATE YOUR SALES

BY OFFERING THE FOLLOWING ATTRACTIVE
LINES THAT WILL ALWAYS

MAKE A CUSTOMER

Good sellers yielding a good profit to the retailer.
Splendid quality giving complete satisfaction to the buyer.

For the Toilet :

“RIVERA” VICTORY BOUQUET
TOILET SOAP

For Shaving :

“SOLACE” SOLIDIFIED CREAM
SHAVING STICK

For the Teeth (Artificial Denture) :

SOAP “BISCUIT”
SOMETHING QUITE UNIQUE

For the Hands :

“LASSO”

A Tablet of Delightful Toilet
Soap that will remove Grease
and Stain— of Every Kind.

May we send you Samples and Prices.

EDWARD COOK & CO., Ltd.
BOW . . . LONDON, E. 3



DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE A dressing cream. BLOSSOM	22/6	2/6
BORANIUM - A hair tonic.	22/6	2/6
CLEMINITE - For a face lotion.	22/6	2/6
COLLIANDUM - For a face tint	22/6	2/6
PERGOL - A deodorant.	22/6	2/6
STALLAX - For a shampoo.	22/6	2/6
JETTALINE - For clearing the skin.	31/6	3/6
PHEMINOL - A depilatory.	36/-	4/-
MENNALINE - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL - For oily complexions and blackheads.	36/-	4/-
BARSYDE - Dandruff eradicator.	22/6	2/6
TAMMALITE - For grey or faded hair	22/6	2/6
LIQUID PERGOL - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - For whitening the hands.	22/6	2/6
HARAPOSA - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:

ALL WHOLESALE, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:

LENNON & CO., Ltd. (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

INDIA:

KEMP & CO., Ltd. (Bombay)
THE INTERNATIONAL TRADING CO., Princess Street (Bombay)
B. MACLURE (Madras)
SMITH, STAMMSTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta)
JAMNADAS BROS. (Bombay)

NEW ZEALAND:

SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA:

DEARBORN, Ltd., Calla Salta 254, Buenos Aires.

"Newbery's"

FRANCIS NEWBERY & SONS LTD

COMPLETE RANGE OF

Packed Pharmaceuticals,
Toilet Preparations,
"Own Name" Packed Goods.

SUNDRIES—

Best British Tooth Brushes,
Hair Brushes, and Shaving
Brushes. Mirrors,
Manicure Requisites, etc.

FRANCIS NEWBERY

& Sons, Ltd.

LONDON & CARDIFF.

PUFFS of ALL KINDS in DOWN and WOOL
SOLID FACE POWDERS
COMPLETE WITH PUFFS.
Inquires invited by makers.
F. SCHUTZE & CO., Ltd.,
BLACK BULL WORKS,
Caledonian Market, London, N.7.



ART OF DISPENSING (9th Ed.) 8/-, by post 8/9.

VETERINARY COUNTER PRACTICE. 7/6, by post 8/3

CHEMIST'S DICTIONARY OF MEDICAL TERMS. 3/6. by post 3/10

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C. 4

I. Isaacs & Co.'s DISPENSING BOTTLES

AT

LOWEST REDUCED PRICES.

ESTABLISHED 100 YEARS.

GOOD STOCK OF ALL KINDS.

Prompt attention to Country Orders.

The NORTH LONDON GLASS BOTTLE WORKS,
106 Midland Rd., St. Pancras, London. N.W. 1.

**Some
Striking
New Lines
for
1921**

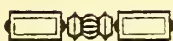


We are pleased to announce that we have in preparation a number of new and highly attractive lines in Toilet Soaps.

These additions to our list will be found especially suitable for Chemists and High-Class Trade generally. Much care and taste have been expended on their preparation, and they will be found to be as **profitable** as they are attractive.

The new lines should prove **particularly appropriate for Spring Trade.** Further details, with illustrations, will be published in due course. Meantime, your enquiries are solicited

PRICE'S, BATTERSEA, S.W.11



A Window display of
"Blue Diamond" Cold Cream
 is
 Attractive ~ Profitable ~ Seasonable



The original of this display measured 5 ft. $\times$ 4½ ft. The colour scheme is carried out in two shades of blue and makes a striking and attractive display. The showcards, price tickets and window-bill are given with orders for 6 dozen (assorted) and upwards. Name and address printed on labels.

PRICES 9d. Size, 5/6 doz. 1/3 Size, 8/6 doz.
 Gross lots, assorted, 5/- @ 8/- per doz.

Terms. 5% for Cash in 7 days or Monthly Accounts, net.
 Carriage Paid on £3 orders ~ Cases free.

RAYMET & CO., LIMITED,
 507/509 HARROW ROAD, LONDON W.10

C. DAMSCHINSKY'S

AMERICAN LIQUID DYE.

*Single Preparation for
the Hair and Beard.*

MADE IN
FIVE NATURAL SHADES,
BLONDE, LIGHT BROWN,
BROWN, DARK BROWN,
AND BLACK.

2/- Size 15/- per doz. net.

3/- " 22/- " " "



*This excellent Dye has
an enormous Sale all
over the World.*

SIMPLE TO USE.

WILL DYE
RED, GREY OR FADED HAIR
TO THE DESIRED SHADE
IN A FEW MINUTES.

IT IS NOT A BLEACH.
WILL NOT DYE DARK HAIR
LIGHTER.

From all Wholesale Houses or direct from sole British Agents :

OSBORNE, GARRETT & CO., LIMITED,
LONDON, BIRMINGHAM AND GLASGOW.

THE "OGEE" FETTPOWDER

THE PREMIER POWDER FOR THEATRICAL USE.

In
White,
Rose,
Natural
and Rachel.

PRICE
12/6
PER DOZEN.

PROPRIETORS OF
THE CELEBRATED "OGEE" BRAND OF GREASE PAINTS,
AND THEATRICAL PERFUMERY.

OSBORNE, GARRETT & CO., LIMITED,
BIRMINGHAM. **LONDON, W. GLASGOW.**

£2000 GIVEN AWAY TO YOUR CUSTOMERS

In order to assist your sales of

CRÈME DE BEAUTÉ NILDÉ

we are making a distribution of coupons to users of Poudre Nildé, and ask you to be good enough to accept these coupons at their face value in payment for Crème only.

These coupons will, in turn, be accepted from you in payment or part payment of your Crème account only.

The coupons are not available to the public after March 1921, but will be accepted from you till November 30, 1921.

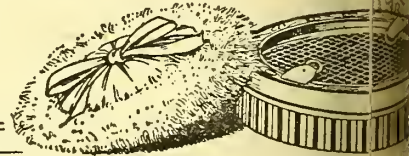
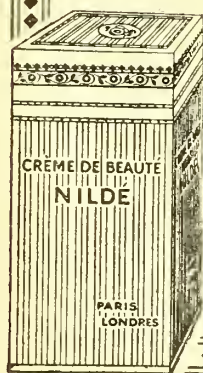
Full particulars, with specimen coupon, are in the post. If you fail to receive same, will you kindly send a postcard.

THE REGENT TOILET CO., LTD.

8 BLENHEIM ST., LONDON, W. 1.

British & Colonial Agents

NILDÉ, Paris.



GET your stock ready to meet the demand we are creating. This product is as good as the face powder, and will sell as easily.

Shows you 33 $\frac{1}{3}$ % on selling price.

CRÈME DE BEAUTÉ NILDÉ

MINIMUM SELLING PRICE 2/- LARGE ... 3/-

In two Shades: Blanche and Naturelle.

Our special offer (see opposite page) of two thousand pounds' worth of sample jars will create a goodwill for you with your customers. Tell them about it, please.

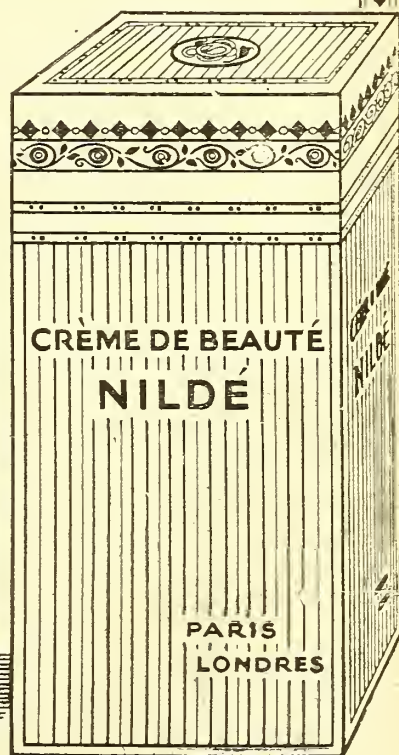
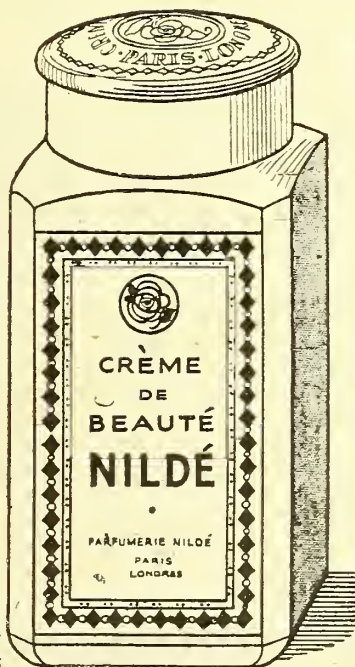
A reproduction of the press advertising will be sent you on request to our agents.

ORDER THROUGH
YOUR WHOLESALE
HOUSE.

**NILDÉ,
Paris**

*British and
Colonial Agents:*

**8 BLENHEIM ST.,
LONDON, W.1.**



POUDRE DE LUZY

JANUARY SALES
HIGHEST
YET RECORDED.

To any trading chemist
not yet acquainted with
this line, we will send

FREE

one 10½d. box for
testing purposes.

We are appointed Sole Distributors to the Drug Trade of

CORBETT'S

SHOWCASES, SHOW COUNTERS
& DISPLAY ACCESSORIES.

We illustrate this firm's most
popular line.

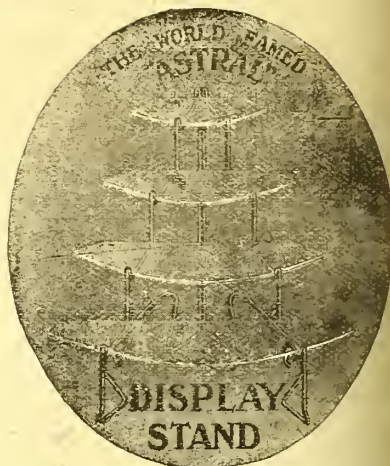
ASTRAL STANDS.

No.			
1,	8 in. high, 3 glass shelves,	15/-	
2, 12	" 3 "	17/6	
3, 19	" 4 "	28/6	
4, 25	" 4 "	30/-	

COLLAPSIBLE OXYDISED
COPPER STANDS. BEST
PLATE GLASS.

Better displays mean bigger
business.

ASTRAL means better displays.



W. H. CALNAN & CO., Ltd., 30-32 Ludgate Hill, E.C.4.

RUVOIRE ET CIE

MANCHESTER & ANTIBES.

High-class Concentrated Perfumes
made with some of the finest flower
oils from the South of France, in
high-class rod-stoppered hexagon
bottles with gold seals.

ODOURS—

PARMA VIOLET. SWEET PEA.
WHITE ROSE. WHITE LILAC.
WALLFLOWER. LILY OF THE VALLEY.

FREE FROM SPIRIT.

Above combination mounted on
artistic card, displaying One Dozen
Bottles.

A very attractive and good Selling Line.

APPLY— **A. M. EVANS,**
154 CHURCH LANE, HARPURHEY
MANCHESTER.

PAPIER MACHE PUFF BOXES

CHEAP CLEARING LINE.

30 GROSS LARGE @ 45/- PER GROSS
10 GROSS SMALL @ 39/- PER GROSS

SUBJECT TO BEING UNSOLD.

FRANK BUCKLER, LTD.

Castle Works, Mount Pleasant Rd., Tottenham, London, N. 17.

Something New.

'RECAMIER' Toilet Productions.

Creme Recamier, 1/6, 3/- and 5/6
Savon Recamier, 1/3 and 3/6
Creme de la Harem, 1/3, 2/6 and 4/6
Special Face Powder, 1/6 and 2/6

CARRIES VERY SUBSTANTIAL PROFITS
Enquiries Invited.

RECAMIER TOILET PRODUCTS CO.
4 St. James's Street, London, S.W. 1.

Increase of Prices.

Taylor's CIMOLITE Preparations

As used by Royalty and the Nobility.

After maintaining the old prices for over 50 years, owing to increased cost in raw materials, labour, &c., the Proprietor has been reluctantly compelled to raise the prices of several of the Cimolite preparations, as from Jan. 1, 1921. The increases are as follows—

CIMOLITE TOILET POWDER.

Old Prices, 1/-, 2/9, 3/-. New
RETAIL PRICES, 1/12, 3/-, 3/3.
The 5/6, 6/- and 11/- sizes
to remain at the old price.
AS USED IN ALL
ROYAL NURSERIES.

CIMOLITE TOILET CREAM.

Old Price, 1/-. New
RETAIL PRICE, 1/3
Packed in Collapsible
Tube and Sliding Box.
Neat and Attractive line.
For most tender skins.

All "Cimolite" goods are to be obtained from all leading
Wholesale Houses or direct from the Manufacturers—

JOHN TAYLOR,

Manufacturing Chemist,

30 BAKER STREET, LONDON, W.1.

Write for Pamphlets and Counter Bills.

VERY LIBERAL TRADE TERMS.

CIMOLITE FACE POWDER

(Pink, White or Jaunâtre)
Old Prices, 1/-, 2/9, 3/-. New
RETAIL PRICES, 1/12, 3/-, 3/3
The 1/12 size Face Powder
is now packed in dainty
boxes instead of packets.
VERY ATTRACTIVE
LINE. The 6d. packets of
Face Powder remain at
the old price.

CIMOLITE SHAVING STICK.

Old Price, 1/-. New
RETAIL PRICE, 1/3.
SPECIALLY PREPARED
FOR TENDER SKINS.

There are many good
imitations of the box.



But, no stone polishes like
AMAMI. You want the Best,
so send 19/3 for 4 dozen B.P.

P.A.T.A. 9d. = 90% Profit.

PRICHARD & CONSTANCE (Whol.) LTD.

469 HOLLOWAY ROAD - - LONDON, N. 7.



Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."
A big vigorous, impressive advertising campaign, covering
the whole of the British Isles, is now being pursued. A
vastly increased volume of business is inevitable. Generous
profit to the trade has been arranged.

TATCHO
THE HAIR GROWER
Price 2/9

Wholesale :

26/-
PER DOZEN.

TATCHO-TONE
FOR GREY HAIR
Price 4/6

Wholesale :

42/-
PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

SALES
ALWAYS INCREASING.

INDIAN PERFUME BRICK

KEEPS AWAY MOTH.
LASTING & FRAGRANT.



FOR LINEN CUPBOARD AND WARDROBE.
On the P.A.T.A. Retail Price 6d.

WANDA TOILET PUMMICE.
WANDA NAIL POLISH.
WANDA ONE-DROP PERFUME.

Of the Makers :

WILLIS, LOW & DRUIFF, LTD.,

33 Percy St., London, W. 1.
AND ALL WHOLESALERS.

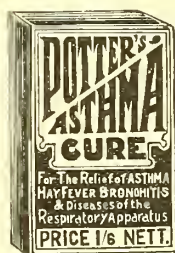
POTTER & CLARKE, Ltd.

60, 62, 64 Artillery Lane, London, E. 1.

And at 24 Luna Street, Great Ancoats, Manchester.



POTTER'S ASTHMA PREPARATIONS



	Retail.	Wholesale.
Potter's Asthma Cure	- 1/6	14/- doz.
" " Cigarettes	- 1/6	14/- "
" " Smoking Mixture	9d.	7/- "



ADVERTISED EVERYWHERE

MEDICATED PASTILLES

In 4-lb. tins.

Black Throat, Black Antiseptic,
Children's Throat, Eucalyptus
Gems, Eucalyptus and Menthol.

2/8 lb. 16 lb. 2/6 28 lb. 2/5
56 lb. 2/4 1 cwt. 2/3

Floral Cachous per 3/- lb.

Packed in 1-lb. free cartons unless
otherwise specified.

ALL VARIETIES MADE.

"FIVE BARKS"

CHEST AND LUNG JUBES

Retail 2½d. oz. 9d. per ¼ lb.

4 lb. tins 2/2 lb. 28 lb. tins 1/11

56 lb. tins 1/10 1 cwt. 1/9

9d. boxes (4 oz.) 7/- doz.

New Poster in Six Colours
with all orders.

"BORALIA" (REGD.) TOILET PREPARATIONS.

A very attractive series of TOILET SPECIALITIES is being produced bearing the name "BORALIA."

"BORALIA" COCONUT OIL Two specimens are shown here. "BORALIA" DENTAL CREAM
SHAMPOO. AND TOOTH POWDER.



Attractive Show
Matter with all
orders.

Good profits on
all sales.

Dental Cream

7/6 doz.

Tooth Powder

5/3 doz.

4 oz. size

12/6 doz.

2 oz. size

8/- doz.



"CUTEX" Nail Preparations

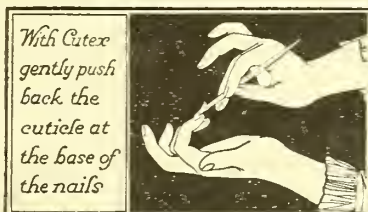


No. 16 COMPACT SET.

27/- dozen.

P.A.T.A.

3/- each.



CHEMISTS and Stores say that "Cutex" advertising has been the largest single influence in the remarkable development of the manicuring habit. Whenever a new user is interested, a regular customer is developed.

Where a few years ago a hundred women were careful of the appearance of their nails, to-day there are literally thousands.

To-day, the sales of "Cutex" products are greater than those of all other manicure products combined. "Cutex" overwhelmingly dominates the field.



No. 1 REMOVER

18/- dozen.

P.A.T.A.

2/- each.

No.		Retail.	Doz.
1	"Cutex," The Ideal Cuticle Remover (Small) ...	2/-	18/-
2	"Cutex," The Ideal Cuticle Remover (Medium) ...	4/-	36/-
4	"Cutex" Nail White	2/-	18/-
5	"Cutex" Nail Polish Cake (White)	2/-	18/-
6	"Cutex" Nail Polish Cake (Pink)	2/-	18/-
7	"Cutex" Nail Polish Cake (Trial Size)	7½d.	5/6
8	"Cutex" Nail Polish Powder	1/6	13/6
9	"Cutex" Nail Polishing Paste (Pink)	2/-	18/-
10	"Cutex" Nail Polishing Paste (Plain)	2/-	18/-
11	"Cutex" Liquid Nail Enamel	2/6	22/6
13	"Cutex" Cuticle Comfort	2/-	18/-
14	"Cutex" Nail Bleach (Powder)	2/-	18/-
15	"Cutex" Rouge	2/-	18/-
16	"Cutex" Compact Manicure Set	3/-	27/-
17	"Cutex" Travelling Manicure Set	9/6	84/-
18	"Cutex" Boudoir Manicure Set	19/-	168/-
22	"Cutex" Nail Polish Stick	1/6	13/6
31	"Cutex" Cold Cream	2/-	18/-

SOLE AGENTS;

HENRY C. QUELCH & CO.,

4 & 5 LUDGATE SQUARE, LONDON, E.C. 4.

KOH-I-NOOR

TOOTH BRUSHES

Pre-War Quality

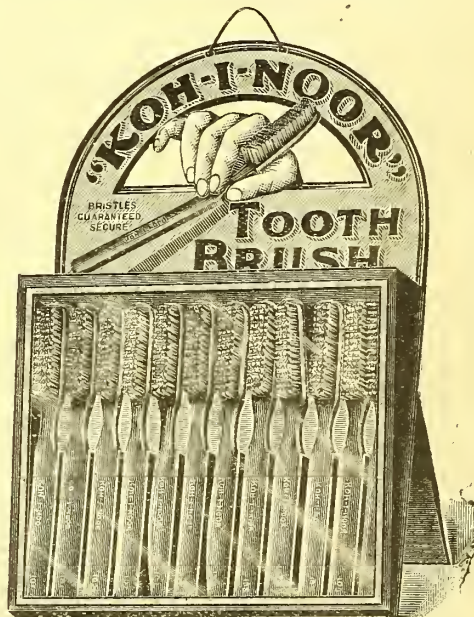
STOCKED BY ALL WHOLESALE DRUGGISTS' SUNDRIESMEN
ON THE P.A.T.A.

	No. 522	523	519 (Child's)
Wholesale, per doz.	20/-	23/6	12/-
Retail price, each	2/6	3/-	1/6

YOUR PROFITS GUARANTEED

NOTE. *This attractive Counter Display Stand supplied FREE with orders for three dozen & upwards.*

The Bristles of a KOH-I-NOOR do not come out, in fact it is practically impossible to pull them out, even by force.



Only the Best Materials used, and the Finish is Perfection. See that the word "Koh-i-noor" is on every brush.

If you require a tooth-brush that you can recommend with confidence, order the
KOH-I-NOOR

MOORLAND PHARMACY SERVICE

W.B. Cartwright, Ltd.

RAWDON ❖ NEAR ❖ LEEDS.

The Leading House of Ideas for Pharmacy.

Offer an unique service to both manufacturers and retailers who require advice and assistance upon matters relative to advertising and selling.

We invite correspondence with manufacturers of really High-class Preparations, Toilet Specialities, Perfumery or Sundries, provided they are lines that will not clash with our present interests.

We are in an unique position to give you the best provided your lines are such as we can have confidence in.

Advertising must be well done to be effective—there is nothing upon which you can waste more money than ineffective publicity. If you have *the* line we can create *the* market for you.

ADDRESS
PUBLICITY DEPT.

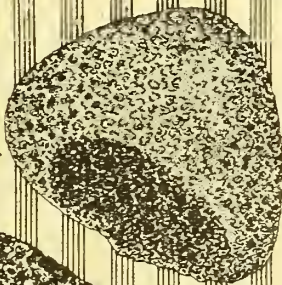


MOORLAND
PHARMACY SERVICE

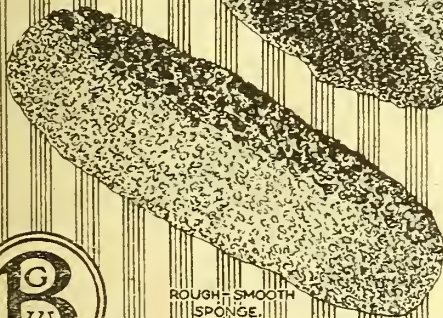
Choose the Best Quality!



CUP
SPONGE.



ROUGH-SMOOTH
SPONGE.



PATENT

BELDAM PURE RUBBER "TURKEY" SPONGES

Made from the best red rubber, of a fine soft texture, which resists wear much better than the coarser varieties. The ordinary sponge is made in five sizes; the patent Rough-Smooth in three sizes; and the Turkey Cup in one size only.

Unaffected by boiling water, or strong disinfectants, they are the perfect sponge.

Write for full price list.

Sole Selling Agents

• MOORLAND •
PHARMACY SERVICE

W.B. CARTWRIGHT LTD.

• RAWDON NR LEEDS •



NOTE THE ADDRESS—TEL : CENTRAL 10-61
TELEG. : "SIGRANDIS-PARIS"**HOUSSET & CO.**16 RUE DE GRAMMONT, PARIS (OPÉRA 2^E).**JARS & POTS.**

Plain and tastefully designed for—

PERFUMERS, CHEMISTS AND KINDRED TRADES
IN PORCELAIN—OPAL—PRESSED GLASS (Mat & Plain)**HIGH-CLASS PERFUMERY & PREPARATION BOTTLES**

(Cut, Moulded, Stoppered and Non-stoppered).

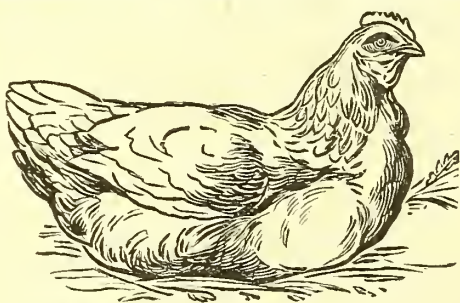
Bottles of every description for

CHEMISTS, DRUGGISTS AND PERFUMERS, &c.CUSTOMERS' OWN DESIGNS
IN BOTTLES AND JARS.Finest Qualities

∴

Competitive Prices

∴

Quick Delivery**Egg Preserving.****PREPARE FOR - -
SEASON'S DEMAND !****W**E pack only the finest quality Water Glass, and give best value and service.

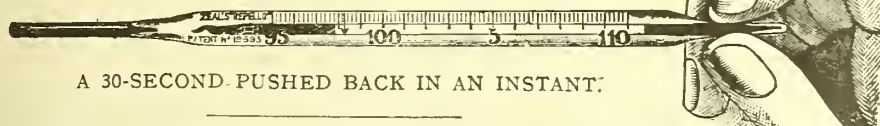
We shall be obliged if our regular customers will write early, so that we can arrange for special advertising, etc., and to any chemist we have not yet supplied we shall be pleased to send full particulars.

TOMLINSON & HAYWARD, LIMITED, LINCOLN.Proprietors
of{ TOMLINSON'S DAIRY HELPS.
LUDDINGTON'S OILS and VETERINARY PREPARATIONS.
HAYWARD'S PAINT STICKS, for branding Sheep, &c.

ZEAL'S Thermometers

The "Repello" Clinical.

Requires no shaking down.



A 30-SECOND PUSHED BACK IN AN INSTANT.

New Improved Lens Finder.

The only Easy Reading Magnifying Clinical on the Market.

IN FOCUS.

OUT OF FOCUS.



The square mark engraved on Lens Front locates the mercury column immediately.

SPECIAL AWARD & GOLD MEDAL, NEW ZEALAND, 1907. SILVER MEDAL, INDIA, 1909. SILVER MEDAL, LONDON, 1913.

All Clinical Thermometers are N.P.L. tested.

G. H. ZEAL, Wholesale Manufacturer of Clinical Thermometers. Estd. 1888.
82 TURNMILL ST., LONDON, E.C. 1

Registered

Trade  Mark

Telegrams:

"ZEALDOM, SMITH,
LONDON."

Telephone No.:
CENTRAL 12438.

Price 25s. net.

Chemists, 23s.

Price 12s. 6d. net.

Post Free (inland) 13s. 2d.

Post Free (inland) 24s.

Reprint of Nineteenth Edition.

SQUIRE'S COMPANION

TO THE

BRITISH PHARMACOPŒIA, 1914.

Published by J. & A. CHURCHILL,
7 Gt. Marlborough St., W. 1.

The Pharmac utical Journal says—"A companion, in the true sense of the word, to the official book."

The Chemist & Druggist says—"It maintains its unique position as a national work of reference."

The British Medical Journal says—"No labour has been spared to make the COMPANION a complete, scientific and practical adjunct to the BRITISH PHARMACOPŒIA."

Descriptive leaflet gratis.

2nd Edition (Revised).

SQUIRE'S POCKET COMPANION

TO THE

BRITISH PHARMACOPŒIA, 1914.

Published by J. & A. CHURCHILL,
7 Gt. Marlborough St., W. 1.

The Chemist and Druggist says—"The richness of the book in Chemical, Physical and Pharmaceutical data, in Compounding Hints, in non-official Formulas, makes the Pocket Companion of as much value to Dispensers as to Prescribers."

The British Medical Journal says—"Sufficient has been said to show that the contents of this Pocket Companion fully justify its name; it can be strongly recommended to practitioners."

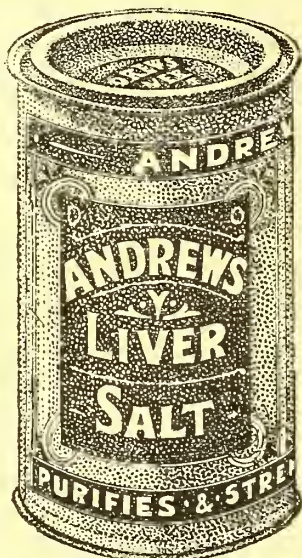
The Lancet says—"The Pocket Companion shows evidence of considerable judicious forethought in the selection of data likely to be of service to a wide class of readers."

Descriptive leaflet gratis.

SQUIRE & SONS, Ltd., 413 Oxford St., London, W. 1

The King's Chemists.

1/-
USUAL
SIZE
DOWN
TO
10¹/₂d.



1/10
FAMILY
SIZE
DOWN
TO
1/6

**Reduced Prices to
the Public - - -
Increased Profits to
the Retailer - - -**

Easier markets, and lessened overhead charges due to the most modern mechanical equipment of the new Andrews' Factory, have eased Production Costs. The benefit is being passed along in fair ratio to Consumer, Retailer and Wholesaler.

The new Retail prices of 10¹/₂d. small Tin and 1/6 large Tin became operative from January 29, 1921. All Retailers and Wholesalers of Andrews', who have not already received the new Price List showing increased Profits to Retailers and Wholesalers, are asked to write for it—without delay, please!

TO THE RETAILERS WHO HAVE NOT YET STOCKED

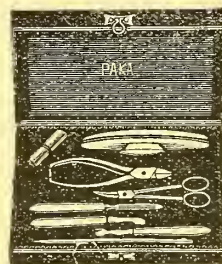
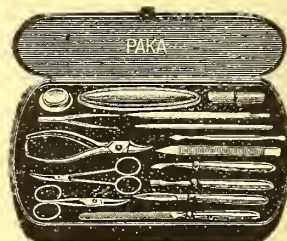
Andrews' is the National Health Safeguard with more than a quarter of a Century's reputation for efficacy to help it across the Counter. It is consistently and persistently advertised throughout the United Kingdom on lines which make for regular week-by-week selling; and Andrews' Trading Terms safeguard the stockist against loss on a falling market.

PERSONAL TRIAL TIN FREE

The Makers will gladly send a Tin for your personal trial, together with Trading Terms. Send along your request for "Trial Tin and Trade Terms" straight away to—

SCOTT & TURNER Ltd., Manufacturers
(Dept. C & D), NEWCASTLE-UPON-TYNE.

We are now showing a range of high-class **MANICURE SETS**



Of the finest Workmanship, best Steel Instruments, and Leather Cases of exquisite finish.

Of the finest Workmanship, best Steel Instruments, and Leather Cases of exquisite finish.

Low Prices. Finest Quality.

Inspection Invited.

HERTZ & Co.
9 MINCING LANE, E.C.3.

Telephone: 10607 Central. Telegrams: "Freshness, Fen."



The Best Malt Extract
is the only one good enough for your Pharmacy

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Business Changes.

MR. G. K. GREENSTREET, chemist and druggist, Sheffield, has acquired the business of the Staniforth Pharmacy, 11, at 173 Ellesmere Road, Sheffield.

THE BUSINESS CONNECTION between Kaempfer et Cie., Place de la Madeleine, Paris, and S. H. Travis & Co., 1 Wool Exchange, Coleman Street, London, E.C., has been severed.

MR. G. H. DAWSON, chemist and druggist, Marine Parade, Southend-on-Sea, has acquired the stock and prescription-books of the business formerly carried on at 1 High Street.

THE BUSINESS of Mr. A. J. Franklin, chemist and druggist, 86 King's Road, Brighton, has been purchased by Messrs. Bellamy & Chapman, who will carry it on under the style of Franklin & Co.

ARTHUR BRANWELL & Co., LTD., 43-5 Great Tower Street, London, E.C. 3, have been appointed sole agents in the United Kingdom for Barandiaran y Cia. S. en C., Hualao, exporters of Spanish *herboristeria* and other produce.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

British Pharmaceutical Conference.

The Executive Committee of the British Pharmaceutical Conference, after consultation with the local Committee, has changed the date of the Scarborough meeting to June 13-17 inclusive. The selection of this date keeps the event clear of the Pharmaceutical Society's examinations and of the Chemists' Exhibition. It is recognised by those responsible that the new departure is rather in the nature of an experiment; but the Scarborough members of the Conference consider that June is one of the best months for visiting their town, and are expecting and working for an unqualified success. Mrs. George Whitfield has been elected chairman of the ladies' committee in place of Miss Hill, who was unable to accept the office.

Anthrax-infected Shaving-brushes.

The Ministry of Health has issued to medical officers of health a circular suggesting that retailers have in their possession a large number of shaving-brushes, of Japanese origin, which must be regarded as dangerous. The circular continues:

In these circumstances the Minister suggests that medical officers of health should communicate with all retail chemists and other dealers in shaving-brushes in their districts, and warn them of the serious results which might follow from the distribution of any Japanese shaving-brushes which they may still have in stock. If the owners are unwilling to have such brushes destroyed the brushes should be securely wrapped up and returned to the wholesale dealers from whom they were obtained, with an explanation as to why they are so returned.

In an announcement made in the Press on January 6, 1920 (*C. & D.*, I., 1920, p. 35), a method of partial disinfection of shaving-brushes before use was recommended for the protection of purchasers of these brushes; but the Minister is now advised that a more reliable method is as follows:

The brush should be: (a) thoroughly washed with soap and warm water containing a little washing soda and then allowed to stand for half an hour in warm water containing a little soda; (b) placed in a warm solution of formaldehyde (1 part of 40 per cent. formalin and 16 parts of water— a 2½ per cent. solution of formaldehyde) for half an hour; (c) allowed to dry.

It should, however, be realised that complete sterilisation of the brushes is impracticable, and that while the method mentioned above may be relied upon to free the exposed part of the hair from infection, it does not affect spores embedded in the handle of the brush.

Figures are given with the object of showing that the mortality in cases treated with anti-anthrax serum is 4 per cent., cases not systematically treated in any way giving a mortality of 48.3 per cent.

Municipal Trading Challenged.

At a recent meeting of the Dover town council Councillor Thomas, referring to the purchase and sale by the maternity and child-welfare committee of 2,064 lb. of Glaxo, asked why it was not purchased from the shops. The Mayor said that the staff were instructed to purchase in the cheapest market. Councillor Thomas said that he thought that it was unfair for the committee to compete in this way with tradesmen. When they considered the present state of trade in the town, and the heavy rates and taxes, it was particularly unfair of Glaxo to "bung up" the tradesmen with their products and then to supply the welfare committee with 2,064 lb. of Glaxo at a low price. The Mayor asked if inquiries should be made as to the price at which local tradesmen could supply Glaxo. Councillor Fox asked why the committee should act as traders. If the medical officer and the staff advised the use of Glaxo, why did they not advise them to get it from chemists? He contended that it would take their staff two days a week to dispose of a ton of Glaxo in three months, and if they were not doing that they could be engaged in better work. Councillor

Beaufoy said that the Council themselves were responsible for this sort of thing, as they passed a resolution that such articles should be purchased from the makers in order to save money, although it adversely affected one or two tradesmen. A resolution in accordance with the Mayor's suggestion was eventually carried.

London Chemists' Retail Price List.

The following are among the alterations in the current issue of the London Chemists' Retail Price List:

Drugs.—Ac. citric, 6*d.* oz.; ac. salicylic, 5*d.* oz.; ac. tannic, 1*s.* 3*d.* oz.; aloes, cap., 3*d.* oz.; amm. carb. resub., 4*d.* oz.; bals. Peru, 7*d.* dr.; caffein. cit., 9*d.* dr.; calc. lact., 9*d.* oz.; calc. sulphid., 6*d.* oz.; camph. flor., 1*s.* 1*d.* oz.; collod. flexile meth., 10*d.* oz.; dec. sarzæ Jam. conc., 11*d.* oz.; elixir acetomorph. et terpin., 8*d.* oz.; ext. ergot liq., 2*s.* 5*d.* oz.; ext. hamamel. liq., 1*s.* oz.; ext. hydrast. liq., 1*s.* 7*d.* dr.; guaiaici res. pulv., 1*s.* 5*d.* oz.; guaiaicol carb. 8*d.* dr.; ichtiyocoll. Brazil, 1*s.* 8*d.* oz.; inf. cinchon. flav. conc., 10*d.* oz.; inf. rosæ acid. conc., 6*d.* oz.; inf. seneg. conc., 10*d.* oz.; lin. bellad. meth., 10*d.* oz.; lin. camph., 6*d.* oz.; lin. camph. ammon., 9*d.* oz.; lin. camph. ammon. meth., 5*d.* oz.; lin. terebinth., 4*d.* oz.; lin. tereb. acet., 6*d.* oz.; liq. formaldehyd., 4*d.* oz.; lith. carb., 1*s.* 11*d.* oz.; lith. cit., 4*d.* dr., 2*s.* oz.; menthol, 8*d.* dr.; ol. lavand. spic. coml., 1*s.* 11*d.* oz.; ol. lini. opt., 2*s.* pt.; ol. menth. pip. redest., 1*s.* 1*d.* dr.; ol. sassaf., 2*s.* 3*d.* oz.; paraldehyd., 8*d.* oz.; phenacetin, 4*d.* dr., 2*s.* 1*d.* oz.; phenazonum, 2*s.* 1*d.* oz.; sacch. lact., 3*s.* 9*d.* lb.; salicin, 1*s.* 1*d.* dr.; sodii et pot. tart. pulv., 3*d.* oz., 4 oz. 1*s.*; spt. juniperi, 1*s.* 6*d.* oz.; sulphonal, 11*d.* dr.; syr. codein. phos., 9*d.* oz.; syr. ferri phos. co., 3*d.* oz.; syr. glycerophos. co., 7*d.* oz.; syr. hypophos. co., 5*d.* oz.; tinct. aurantii, 2*s.* 5*d.* oz.; tinct. chlorof. et morph., '85, 9*d.* oz.; tinct. hydrastis, 1*s.* 5*d.* oz.; tinct. hyoscy., 10*d.* oz.; tinct. val. ammon., 8*d.* oz.; ung. hyd. co., 9*d.* oz.; ung. resinæ, 5*d.* oz.; ung. sulphuris, 4*d.* oz.; ung. zinci, 4*d.* oz. *Lozenges.*—Brompton, 6*d.* & 5*d.* oz. *Packed Goods.*—Camphorated oil, 2-oz. bot., 1*s.* 5*d.*; chemical food, 12-oz. bot., 3*s.* 6*d.*; cod-liver oil, 6-oz. bot., 2*s.* 3*d.* *Dressings, etc.*—Bandages, reduced by 1*d.* each; cotton-wool, 3*s.* and 4*s.* per lb.; Gamgee, 5*s.* per lb.; gauze, boric, 3*s.* 6*d.* per 6 yds.; gauze, cyanide, 3*s.* 6*d.* for 6 yds.; lint, reduced by 1*d.* per oz.

Poisonings.

The following cases of fatal poisoning have been recorded since our last report:

A verdict of "Suicide by morphine poisoning" was given at an inquest held in North London, on January 29, on the body of Mr. S. H. Merryweather, L.R.C.P. Edin., residing in Clarence Road, Wood Green. Dr. Bernard Spilsbury, in the course of his evidence, remarked that an habitual drug-taker might after a time be regarded as a person of unsound mind.

An inquest was held at Wallington, on January 27, on the body of Agnes K. Chatwitz, who, the evidence showed, had died after taking strychnine. Her husband stated that for some time he was an assistant at the chemist's shop over which he lived. An assistant now engaged at the shop said that strychnine had not been supplied to Mrs. Chatwitz, who had presumably gone into the shop and helped herself before the opening-hour.

Birmingham.

An attempt to commit a burglary at the laboratory and offices of Mr. F. H. Alcock on January 26 was frustrated.

The funeral of Miss Gladys Smith, whose death was announced in last week's issue (p. 61), was attended by many pharmacists.

In consequence of the fall in the price of tar, benzol, etc., the city corporation's gas department is predicting a further increase of its charges.

The syllabus of the course of dispensing for the third M.B., Ch.B. examination at Birmingham University contains the entry, "Weights and Measures—Imperial—Metric—and Domestic."

Mr. E. C. Rossiter, F.I.C. (The British Cyanides Co., Ltd.), was the joint author of a paper on the preparation of zirconia presented at the meeting of the local section, Society of Chemical Industry, on January 27.

Dr. and Mrs. Martin Woodward, Pershore, who recently celebrated their diamond wedding, have been well known to pharmacists in the neighbourhood for a very long period. Dr. Woodward having been in practice in Pershore for fifty years prior to his retirement in 1908.

The Salford borough analyst, Mr. G. D. Elsdon, B.Sc., F.I.C., whose name has been prominent of late in connection with Insurance dispensing and the Food and Drugs Acts, was formerly a pupil of Mr. F. H. Alcock, F.I.C., Ph.C., and also assistant to Mr. J. F. Liverseege, F.I.C., Ph.C., the city analyst.

The city council, on February 1, declined to approve its education committee's scheme for day continuation schools, and instructed that committee to abandon all pending negotiations and to close such schools until the council determined otherwise. The difficulty of obtaining boy labour has become so pronounced that many traders have decided to do without it.

A panel patient relates in the Birmingham "Mail" that, being dissatisfied with his medical man, he went to another. While dictating the prescription, this practitioner paused at an item of 4 grams of "something" and inquired whether his visitor was a panel patient. On receiving a negative answer, he resumed, "Make it 8 grams." The impression made on the patient appears to have been immense.

The Birmingham Photographic Society's annual exhibition was opened on January 27 by the Lord Mayor (Alderman W. A. Cadbury). The exhibition is being held in the Society of Artists' Galleries, New Street, and differs from those of the past in that the competitive sections are restricted to residents in Warwickshire, Worcestershire and Staffordshire. In the scientific section a medal is awarded to Mr. J. F. Brailsford for a collection of wa radiographs.

Liverpool.

The Northern Amateur Photographic Exhibition has just closed a successful season at the Walker Art Gallery.

The new treasurer of the Liverpool Chemists' Association (Mr. A. S. Furniss) is selling out the Association investment in War Stock in order to increase the cash balance at the bank.

Following the declaration of Mr. W. H. Clubb, Ph.C. (President of the Liverpool Chemists' Association), in favour of the Retail Pharmacists' Union, a vigorous effort is being made to support the new organisation.

The "Liverpool Daily Post and Mercury" of January 28 contained a special article on "Dangerous Drugs: Harassing Doctors and Pharmacists," written with welcome sympathy for the pharmacist in his new perplexity.

On the initiative of Dr. W. E. Bennett (chairman of the Liverpool branch of the Middle Classes Union), the West Derby Board of Guardians has opened two wards in the Mill Road Infirmary for paying patients, who are to be charged 3*l.* 3*s.* a week each.

"Hypophosphites frightened me," a pharmacist's little daughter informed an inquirer concerning her impression of "Faust," which is included in the repertory of the operas to be heard in Liverpool. It turned out that she was referring to the Mephistopheles.

Mr. Henry Peet, M.A., J.P., has elicited from the chairman of the Liverpool justices that, consequent heavy penalties imposed on the sale of methylated spirit as a beverage, the use of it among women has considerably decreased. Mr. Peet, who, by the way, has written a history of St. Nicholas' Church for private circulation is to hear a long list of appeals from the new rating assessments.

Manchester.

Manchester chemists who extended sympathy to the relatives of the late Mr. Edward Harding, have received the following letter:

The family of the late Mr. Edward Harding desire to return sincere thanks for the sympathy shown them, and in respect paid to their father's memory.

A resolution urging the Government to continue the present compulsory hours of closing has been adopted

a meeting convened by the Shopkeepers' and Small Traders' Associations.

One prominent pharmacist in the city was asked if he could "oblige with the *C. & D. Supplement*" no less than fourteen times during last week-end—actually in about a day-and-a-half.

Mr. Herbert Taylor, chemist and druggist, has acquired the business of the late Mr. E. Harding, chemist and druggist, Longsight, Manchester, and will carry it on under the style of Harding & Co.

Chemists and their window-dressing assistants have been having a worrying time this past week owing to the extreme changes in the temperature. One firm, who had a display of hot-water bottles, "got the wind up" when we had a spell of strong, hot sunshine last Saturday and Sunday, and took the show out on Monday morning. On Monday afternoon the weather turned bitterly cold, and snow fell for over two hours; so on Tuesday it was decided to put the hot-water bottles back again. Sales resulted.

On January 31 Ayrton, Saunders & Co., Ltd., Liverpool, opened an exhibition of a comprehensive range of druggists' sundries at the Deansgate Hotel. This exhibition is a miniature "Chemists' Exhibition." Special bonus offers, with attractive window-show material, are a main feature. An interesting and instructive exhibit is a working model of a manufacturing still, in which an extract was in course of manufacture when your correspondent was present. He was also shown a goodly collection of scientific and laboratory glassware, manufactured and blown at the firm's works. Mr. Charles Brown, Mr. Arthur W. Good, and Mr. E. Norman Torry are the able representatives in charge of this exhibition, and all doubts about bad trade were expelled from the visitor's mind, so busy were these "knights of the road" booking orders.

Newcastle-on-Tyne.

Professor Henry Louis, when presiding at a recent lecture on "The Froth Flotation Process and the Purification of Coal," remarked that he believed he was one of the first to put up a flotation plant in Europe. It would appeal to business men to know that the value of the mine in question was increased by 1,000,000%; this fact gave a fair idea of the commercial possibilities underlying a complex process.

At Newcastle Police Court, on January 31, Charles Snowden, described as a labourer, was charged with being in unauthorised possession of cocaine and opium. Mr. V. B. Bateson, prosecuting, intimated that the charge would have to be amended. It was preferred under the Defence of the Realm Act, and he desired, before formulating a definite charge, to have an opportunity of looking up the regulations of the Dangerous Drugs Act. The accused was alleged to have had upon him, when arrested, a bottle containing cocaine and a lump of "prepared opium ready for smoking." He was remanded.

Miscellaneous.

FIRE.—A defective electric circuit caused a slight outbreak of fire recently on the premises of John Bell & Croyden, Ltd., chemists, Wigmore Street, London, W. 1.

ASSOCIATION'S SUBSCRIPTION PROPOSAL.—The Southport Chemists' Association proposes to raise the annual subscription from 7s. 6d. to 1l. 1s., so that its policy shall be adequately financed.

DECONTROL OF LARD.—The Food Controller announces that the maximum wholesale and retail prices for pure lard imposed by the Bacon, Ham, and Lard (Sales) Order, No. 2, 1920, are removed as from February 2. Wholesalers and retailers may now sell pure lard without restriction of price.

SALE OF FOOD AND DRUGS ACTS.—The chief constable for the North Riding division of Yorkshire states, in his quarterly report; that a sample of extract of malt with cod-liver oil was shown to contain, on analysis, 98.5 per cent. of extract of malt and 1.5 per cent. of cod-liver oil. The analyst observed that in his opinion the label (which showed the words "extract of malt" in much larger lettering than the remainder of the wording, thus conveying the

impression that the cod-liver oil was of secondary importance) would be a sufficient defence in the event of proceedings being taken.

IN THE COURTS.—At Bow Street Police Court, London, on January 27, Cecil C. Waite, Henry P. Blackburn, and Percy H. Michael, charged on remand with conspiracy and cheating in respect of large quantities of linseed oil and other goods in connection with Government contracts in India (*C. & D.*, II., 1920, p. 1752), were ordered, under the Fugitive Offenders Act, to be sent back to India for trial.—At Thames Police Court, on January 29, the summons against Jennie Morris and Rose Mitchell for maliciously administering, or causing to be administered, hydrochloric acid to Leah Fox (*C. & D.*, January 22, p. 47) was dismissed, and each of the defendants was awarded 3l. 3s. costs.—At Marlborough Street Police Court, on January 29, Mary Brennan, charged on remand with being in unauthorised possession of cocaine (*C. & D.*, January 29, p. 50) was sentenced to six months' imprisonment.

Irish News.

Personal.

Mr. F. T. Smith, J.P., Medical Hall, Antrim, President of the Dental Society of Ireland, was reappointed chairman of Antrim Town Commissioners, the Urban Council, for the fifth term. He holds many other public appointments.

Dublin.

The King's Bench, Dublin, made an order recently for final judgment for possession of the premises, 65 North Street, Belfast, which W. Dobbin & Co., Ltd., wholesale druggists, had let from month to month at a rent of 175l. yearly, the tenancy having been determined by notice to quit, which expired on January 1. A stay of execution till March 15 was granted. It was stated that the plaintiffs were going out of business, but Mr. Dobbin, a member of the firm, wanted the premises to set up business on his own account.

Fatalities among Chemists' Assistants.

Mr. Michael Garvey, R.D., an employee of Mr. Samuel McLoughlin, Ph.C., 157 Old Park Road, Belfast, met with a mysterious death in the early hours of January 27, at his lodgings, 1 Bray Street, Crumlin Road. Garvey reached home some time before the curfew hour on Wednesday evening, and about 1 A.M. two masked men called at the house. Miss Morgan, the landlady, heard the door being opened by a key. This did not cause her any undue alarm, because her second lodger was out at the time. The men at once entered the house and ascended the stairs. They went to the room where Garvey slept, and shot him dead in bed. Miss Morgan raised the alarm, and a baker, who happened to be passing, conveyed the information to the police barracks. Deceased, who was twenty-three years of age, was a native of Armagh, and served his apprenticeship with Mr. William Orr in that city before coming to Belfast. The interment took place in Armagh on Sunday, Cardinal Logue officiating. The *cortège* was one of the largest seen in that town.—On January 28 the dead body of Thomas P. Blake, a chemist's assistant, was discovered in Clyde Road, Limerick, in which his family resides. Mr. Blake was President of the Limerick branch of the Chemists' Assistants' Association, and was employed with John Lairds & Co., of Connell Street. He was twenty-six years of age and unmarried, and the circumstances of his death are variously accounted for. One is that he was met at the corner of Clyde Road by a party of men and brought to where the body was discovered riddled with bullets. The police are inquiring into the occurrence, respecting which a military inquiry will be held.—On the same day James Devanag, described as a chemist, was shot dead with two other young men at Kilruane, co. Tipperary. The facts as to the cause of death are obscure, but one account says he was shot while in the act of running away on the approach of a motor-lorry with Crown forces.

Scottish News.

Brevities.

Mr. G. Bank and Mr. F. C. Greig, chemists, Wick, have recently been elected members of the local Chamber of Commerce.

The Grocery and Provisions Trade Board (Scotland) has issued a notice of proposal to fix the minimum rates of wages for all male and female workers.

Attention is drawn by Mr. H. P. Arthur, 361 Victoria Road, Glasgow, in a letter to the "Daily Record and Mail," to the Dangerous Drugs Act Draft Regulations, which he describes as "another attempt to strangle the liberty of the people in the 'red tape' so dear to the official mind." This is another useful method of educating the public in this matter.

Edinburgh.

Dr. W. Inglis Clark, at a meeting of the Edinburgh Scots-Italian Society, on January 26, gave a lecture on "Italia Redenta and the Adjacent Provinces of Tirol."

"Greater Edinburgh" was the title of a lecture delivered by Sir James Leishman at a meeting under the auspices of Edinburgh Education Authority in St. Cuthbert's Church Hall on January 28. The address was the first of a series dealing with the city's past and future.

The premises of J. & A. Wyllie, Ltd., chemical-manure manufacturers, West Bowling Green Street, Leith, were, on January 28, the scene of a serious outbreak of fire, and damage to the extent of 40,000*l.* is reported to have been done. Considerable excitement was caused by the explosions of drums of ammonia, and one fireman was overcome by the fumes, but subsequently recovered.

Fife.

Payments for the balance of the N.H.I. drug accounts for 1919 have been received.

The new business in Denbeath, foreshadowed in the *C. & D.*, 11., 1920, p. 1753, has been opened under the style of "The Modern Pharmacy" Cash Chemists.

Glasgow.

Glasgow Pharmacy football team occupy sixth position in the Shopkeepers' Half-holiday League, having played eight matches, of which they have won two, lost five, and drawn one.

Mr. Arthur Duncan, chemist and druggist, has acquired the business of the late Mr. Hubert Duncan, chemist and druggist, Gibson Street, Hillhead, and will carry it on under the old style of Joseph Duncan.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

QUALITATIVE ANALYSIS.

A Mixture of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture. Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, February 8, on which day the samples will be posted. Students' reports will be received up to Saturday, February 19. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the fourth exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.*

Coming Events.

This section of the "*C. & D.*" is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, February 8.

South-East London Chemists' Association, Maitland House, 134 Greenwich Road, Greenwich, at 8.45 p.m. Mr. John Keall on "The Retail Pharmacists' Union."

Ealing Pharmacists' Association, Eden's Restaurant, High Street, Ealing, London, W. 5, at 8.30 p.m. Mr. F. Pilkington Sargeant, Vice-President of the Pharmaceutical Society, will address the meeting.

North London Pharmaceutical Association, Progressive Pharmacy Club, Arundel Hotel, Arundel Street, London, W.C., at 8.30 sharp. Address by Mr. J. Noble on "Notes and Comments on the B.P.," followed by a short dramatic sketch, entitled "What is the Benevolent Fund for?" The annual dinner, arranged for February 24, has been postponed.

Wednesday, February 9.

Leeds Chemists' Association, Mr. S. Jamieson on "Petroleum from the Wells to the Pharmacy."

Manchester Pharmaceutical Association, Council Chamber, Houldsworth Hall, Deansgate, at 3 p.m. Mr. K. Samaan, M.Sc., Ph.C., on "The Chemical Analysis and Microscopical Examination of Urine."

Edinburgh Chemists' Assistants' and Apprentices' Association, 35 York Place, at 8 p.m. "Story of Some Interesting Museum Specimens," with exhibition of specimens, by Mr. J. Rutherford Hill, Ph.C.

Birmingham Pharmaceutical Association, Chamber of Commerce, at 8.30 p.m. Lecture by Dr. J. Stanley White on "The Ductless Glands." The lecture will be illustrated by lantern slides.

Sheffield Pharmaceutical and Chemical Society, "Lit. and Phil. Rooms," Church Street, at 8.30 p.m. Mr. G. A. Mallinson (Secretary of the Retail Pharmacists' Union) on "Pharmaceutical Topics."

Thursday, February 10.

Fulham and Hammersmith Districts of the Western Pharmacists' Association, the Clarendon Restaurant, Hammersmith Broadway, W. Annual dinner. Tickets (7*s.* 6*d.* each) from Mr. G. Roe (hon. secretary) and Mr. H. R. Proctor, 113 The Grove, Hammersmith.

Scottish Pharmaceutical Federation (Glasgow Branch), Mr. Sydney Jamieson (The Wm. Browning Co., Ltd., London) on "Petroleum from the Wells to the Pharmacy."

Friday, February 11.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 p.m. Mr. F. W. Aston, D.Sc., on "Isotopes and Atomic Weights."

WEST HAM ASSOCIATION OF PHARMACISTS.—The annual dinner will be held at the Holborn Restaurant on February 24. Ticket from C. A. Jones, 85 Victoria Dock Road, not later than February 17.

UNITED ARTS VOLUNTEERS.—The annual reunion dinner will be held at the Café Monico on February 24, at 6.45 p.m. Evening dress optional. Tickets (8*s.* 6*d.* each) from F. G. Wells, 80 Bridge Road, Battersea, S.W. Early application requested.

Wills.

MR. HENRY GREATREX, chemist and druggist, Earlsdo Road, Wallasey, who died on December 21, left estate valued at 657*l.* 17*s.* 4*d.*

CAPT. SIR WILLIAM DE WIVELESIE ABNEY, K.C.B. D.C.L., D.Sc., J.P., Neasham Hall, Leicester, who died on December 2, left estate of the gross value 27,534*l.* 19*s.* 6*d.*, with net personality 12,869*l.* 15*s.* 7*d.*

MR. ALFRED AUSTIN, 3 Station Road, Bexhill-on-Sea, Sussex, a director of Austins, Ltd., Bermondsey, S.E. manufacturing chemist, who died on December 13, left estate of the gross value of 2,597*l.* 16*s.* 11*d.*, with net personality 2,440*l.* 11*s.* 11*d.*

The Profiteering Act.

Report on Motor Fuel.

THE first report of the sub-committee appointed by the Standing Committee on the Investigation of Prices under the Profiteering Act has been followed, at an interval of about eleven months, by a second report. The interest of the report, which amplifies some of the observations contained in its predecessor (*C. & D.*, I., 1920, p. 510), is general rather than special, so far as the drug-trade is concerned. It is held that "there can be no possible justification" for the recent rise of 7d. a gallon in the price of petrol. Turning to benzole, the report remarks that since the Armistice many of the gas companies have discontinued the practice of scrubbing for benzole, and the output from this source has fallen considerably. This was due partly to the cost and partly to the public agitation against the bad quality of the gas, which was "somewhat erroneously" ascribed to the scrubbing for benzole. The low quality was, however, mainly due to shortage of coal, dilution of gas, and reduced main pressure. The average cost per gallon of crude benzole, as shown by the books of six manufacturers, was 10.125d. On the subject of British petroleum, the report states that a barrel of oil of the kind found in Derbyshire yields about 2½ gallons of commercial motor spirit: "it would therefore be necessary to produce 100,000,000 barrels annually to satisfy the present petrol requirements of the United Kingdom. It is highly improbable that Great Britain will ever produce this quantity of crude petroleum." The difficulties incident to the manufacture of power alcohol "would seem to suggest" that it can only be commercially produced in certain parts of the world—in a tropical or semi-tropical area where there is an ample acreage capable of producing good crops, a suitable supply of water and labour, and so situated as to involve minimum transport. "We are, however, convinced that despite these difficulties, it is possible in certain parts of the Empire to produce power alcohol at a price considerably lower than the price ruling for petrol. We are informed by one company that they are commencing the production of power alcohol on a commercial basis. . . ." Concerning creosote as a fuel, the report remarks: "The calorific value of tar oil or creosote is less than that of petroleum oil, and creosote is not so convenient a fuel for use in Diesel engines. During the war, when imported fuels became difficult to obtain, a larger number of Diesel engines were adapted for the use of creosote, and the experience gained resulted in this class of fuel being successfully used." In its concluding paragraphs the report affirms that the only two ways of overcoming existing difficulties are: (1) Combined action among the consuming countries of the world through the Economic Commission of the League of Nations. (2) The production of substitutes and the adoption of alternative sources of power to such an extent that the supply will reduce prices to a reasonable level. "It is essential that the production and distribution of substitutes should not be controlled by monopolists." It is suggested that the British Government should control the manufacture of motor fuels.

Prosecutions.

At Tower Bridge Police Court, London, on January 27, James Edward Finch, wholesale confectioner, Canterbury, was summoned for having sold soda crystals at an unreasonable profit. Mr. H. D. Roome, prosecuting, said that the defendant described himself on his bill-heads as "J. E. Finch & Co., wholesale confectioners and makers of pure Kentish home-made jams." The Magistrate: What does a trader of that kind want with selling soda? Mr. Roome: Except to make a profit on it, no one knows. Continuing, Mr. Roome explained that the proceedings arose in consequence of a case against Littlewood Bros., Ltd., multiple-shop proprietors, who had been selling the soda at 2½d. per lb. They had been paying the defendant 18s. a ton, plus rail and cartage costs. The secretary to Littlewood Bros., Ltd., giving

evidence, corroborated counsel's opening statement, and added that his company had purchased the soda elsewhere at 16l. 10s. a ton in addition to freight and cartage, making the cost 18l. 9s. 7d. a ton. Mr. Briggs, for the defence, said that, instead of buying from the United Alkali Co., Ltd., at 5l. 5s. a ton, Mr. Finch had purchased 10 tons at 18l. 5s., thus losing on the transaction. While Mr. Leslie Markham, secretary to the Complaints Committee of the Profiteering Committee, was giving evidence concerning the official inquiries made, Mr. Roome remarked that an average profit for a broker was 5 per cent. Witness said he thought a profit of 45 per cent. would be unreasonable. The Magistrate: Will you tell me what is an "unreasonable profit in view of all the circumstances"?—It is unreasonable in view of the amount a broker gets when passing on goods. The Magistrate: I do not quarrel with experts, but if that is the view of the Profiteering Committee I am rather surprised. Don't you think the fact that there was a restricted market would have something to do with it? The defendant, in evidence, stated that he used soda and sold it to his customers. He started in wholesale grocery about 1914. The hearing was adjourned for the attendance of a railway official.

At Mansion House Police Court, on January 27, Mr. Alexander Henry Pickering appeared in answer to a summons issued at the instance of the Director of Public Prosecutions (on behalf of the Board of Trade), charging him with having, on May 3 last, unlawfully sold to J. C. Densmore & Co. ten tons of soda crystals at 15l. 10s. a ton, yielding a profit which, in view of all the circumstances, was unreasonable. The defendant pleaded "Not guilty." Mr. H. D. Roome, who appeared for the prosecution, said that the summons was under Section 1 (2) of the Profiteering Act, 1919. Defendant was a broker carrying on business at 85-88 Minories, E.C.1, and the complaint was that he had sold to another broker soda crystals at an exorbitant price. At one time such a trade would have been impossible; but on account of the shortage in the supply, a trade had sprung up such as would be disclosed in this case. There were two sources in this country from which *bona-fide* wholesalers and retailers could purchase soda crystals direct—Brunner, Mond & Co., Ltd., and The United Alkali Co., Ltd. They sold soda crystals at 5l. 10s. a ton, and the proper and normal price for washing soda was 1d. per lb. In June of last year, however, a company at Bermondsey were selling soda at 2½d. per lb., and it was found that this company had had to resort to obtaining it by means of advertisement, and, instead of paying 5l. 10s. a ton, they had, including the cost of removal from store, paid 19l. 5s. 2d. a ton. Littlewood Bros., Ltd., the company who were proceeded against, were completely exonerated. It transpired that Littlewoods had ordered soda crystals from Densmore, who in turn purchased from Pickering, the latter agreeing to sell at 15l. 10s. a ton. Densmore charged another 1l., plus cartage charges from Glasgow, where Pickering bought at 13l. 10s. a ton. Defendant put every obstacle possible in the way of the officer making inquiries. He said he objected to the Government or Government Departments interfering with business, and said, further, that he would rather burn the papers than give the information. He was told that the consequences of such an act might be serious for him, but he persisted in his refusal until an order was sent from the Committee dealing with the matter, when he wrote that he produced them "under compulsion," as he had no desire either to serve a term of three months' imprisonment or pay a fine of 50l. The papers showed he paid 13l. 10s. a ton net, and consigned the soda the same day to Densmore at 15l. 10s. a ton. Evidence was given by Major Howard, who, since leaving the Army, has acted as an official under the Profiteering Act, and by a partner in the firm of Densmore & Co., chemical-brokers, Laurence Penntney Hill, E.C. The case was adjourned.

Owing to the present high prices of stick lac, the Calcutta Shellac Brokers' Association (says "The Times Trade Supplement") have resolved to stop selling shellac until further notice.

Legal Reports.

Arsenical Borax Case.—At Houghton-le-Spring Petty Sessions, on January 27, Isabella Chapman, grocer, Hetton, was summoned for selling borax which contained 10 parts of arsenic per million. The defendant had no warranty, but handed to the Bench a letter purporting to be from the firm who supplied the borax, stating that it was only guaranteed to be commercially pure. It was stated for the prosecution that the borax bore on the label the words "British refined borax," with the statement that it could be used as a preservative. Mr. Cyril J. H. Stock, F.I.C., county analyst, giving evidence, said that borax was used largely as a preservative. It was also used for gargles and mouth-washes. The quantity of arsenic might be small, but the point was that arsenic was a cumulative poison, and if taken into the system by means of preservatives might eventually lead to serious consequences. In commercial borax they might have arsenic to the extent of 250 parts per million. It was the fault of the manufacturers, and they got out of it by saying that the stuff was only supposed to be sold as the commercial article. A fine of 5s. was imposed.

Unloading Nitric Acid.—In the Lord Mayor's Court, London, on January 31, before the Common Serjeant (Mr. H. F. Dickens, K.C.), a claim was made by Reuben J. Gipps, carman, in the employment of Messrs. Jenkinson, cartage contractors, Leytonstone, against J. Swain & Son, Ltd., photo etchers, Shoe Lane, Fleet Street, for damages for personal injuries. The plaintiff's case was that on September 13 he was delivering bottles of nitric acid, weighing when full about $\frac{3}{4}$ cwt., and was to take back empties. He had delivered ten full bottles, and was packing empties already in the van to make room for those coming from the defendants. While kneeling in his van the defendants' man, plaintiff alleged, put a supposed empty bottle on the back of the van. There was nitric acid in the bottle; the stopper came out and the acid splashed over plaintiff's face and right arm. In consequence of the injuries received he was unable to do any work for nine weeks. The Common Serjeant in his judgment said, although there was no contractual relationship between the plaintiff and the defendants, one of the duties cast upon people dealing in dangerous substances, such as nitric acid, if they knew that acid might remain in the jar, and did not take the ordinary precaution of rinsing it out with water, knowing it was going to be handled by another person, was to see that it was not put into the hands of that other person in a dangerous condition. He came to the conclusion there had been a breach of that duty, and that there had been no negligence on the plaintiff's part. There would be judgment for the plaintiff for 20s., but without costs.

Is Christmas Day a Bank Holiday?—The Bradford stipendiary magistrate delivered judgment, on January 27, in a test case heard on January 13. The alleged offence consisted in keeping open on Saturday, December 18 (ordinarily a half-holiday), in consideration of being closed all day on Christmas Day, Boxing Day, and December 28 (*C. & D.*, January 22, p. 46). His worship said the case raised an important question as to whether Christmas Day was a Bank Holiday: he found that under the Bank Holidays Act, 1871, and the Bank Holidays Extension Act, 1875, it was not included as such, but under the Shops Act, 1912, a special note in the Home Office memorandum explanatory of the Act named Christmas Day as being a Bank Holiday. That note was based on the legal advice taken by the Home Office on obscure and doubtful points. Cognisance must be taken, also, of common usage and practice, under which Christmas Day was a public general holiday. The Home Office note was not binding on him, as would be the decision of a High Court, but was entitled to the utmost respect and was a reasonable construction. He was of opinion, therefore, that both days were Bank Holidays for the purpose of the Shops Act, 1912, and that either could be taken as the Bank Holiday mentioned in the Act. The Act did not seem to provide, except by a Home Office note, for the case in which a shop was closed during the

whole day on a Bank Holiday when that Bank Holiday was the day ordinarily the weekly half-holiday. This note stated that if it were desired, in such case, to keep open on the ordinary half-holiday preceding such a holiday, this could only be done by the shopkeeper changing the half-holiday in the Bank Holiday week by giving notice in the manner provided. Though this note was not binding on him, it was the official view of the Home Office, based on legal opinion, and seemed a reasonable construction on what was implied, though not stated, in the sub-section. Therefore he held that the defendants could only legally have kept open on December 18 by giving notice of change of their half-holiday for this occasion to Wednesday, instead of Saturday, December 25, and this they did not do. As he understood the desire of both parties was for a decision on principle and to be a guide for the future, and as the defendants' assistants had not suffered, but rather otherwise, the justice of the case would be met by a nominal fine of 1s. on each summons.

Advertisement Design.—In the Court of Appeal, before the Master of the Rolls and Lords Justices Warrington and Younger, on January 28, the case of Gunston and others v. Winox, Ltd., was heard upon the appeal of the defendants from the judgment of Mr. Justice Astbury in the Chancery Division in favour of the plaintiffs (*C. & D.*, II., 1920, p. 1523). The action was brought by Messrs. Audley John Daniel Gunston, Herbert Myddleton Green, and Albert Henry Simpson, trading as Gunston, Green & Simpson, Farringdon Avenue, London, printers and designers, against the defendants Winox, Ltd., Kew Road, Richmond, for the alleged infringement of one of the plaintiffs' advertising designs, a cardboard figure of a nurse holding a tray and bottle. The plaintiffs' case was that their intention was to sell the design (which was registered under the Patents and Designs Act) with the copyright to any person who would use it. After negotiations with the defendants the plaintiffs agreed to sell the copyright to Liebig's, but before they could do so they discovered that a similar design was being used by the defendants. Defendants' case was that Mr. Keen, their manager, was really the author of the design; that the proprietors of the design who should have registered it other than Mr. Keen would be the Premier Drug Co., Ltd. (who dealt with Liebig's productions and gave the plaintiffs' representative an order for 20,000 copies), the owners of the copyright; and that the design was published in the United Kingdom long prior to registration, which the defendants alleged was bad. Defendants also said that the idea of the design was Mr. Keen's, and was the result of suggestions made by him to the plaintiffs' representative. Mr. Justice Astbury gave judgment for the plaintiffs, and granted an injunction to restrain the defendants from infringing the plaintiffs' design and an order for delivery up of all copies in their possession of the infringing design, and ordered the defendants to pay the costs of the action. From this decision the defendants now appealed. Mr. Micklem, K.C., and Mr. W. E. Vernon appeared in support of the appeal, and Mr. Luxmoore, K.C., and Mr. W. F. Swords represented the respondents. At the conclusion of the arguments their lordships allowed the appeal. The Master of the Rolls, in giving judgment, said he disagreed with the decision of Mr. Justice Astbury with regret, because he thought the defendants had played the plaintiffs a very dirty trick. But before the design was shown to the defendants and before it was registered it had been shown to another firm, with the view to obtaining an order, and that constituted a publication within the meaning of the Patents and Designs Act and enabled the defendants to escape the consequences of the conduct of their manager. He thought the appeal should be allowed. The other members of the Court concurred.

Calomel Ointment Cases.—At Bow Street Police Court, London, on January 27, Wray's Drug Co., Ltd., 8 High Holborn W.C. 1, were summoned for selling an article not of the nature, substance, and quality demanded by the purchaser. Mr. Hawkes, supporting the summons, stated that on December 15 an inspector employed by the Holborn Borough Council went to Messrs. Wray's shop

asked for a pot of 33 per cent. calomel ointment. An assistant told him that it would have to be made up, and asked him to call again in about an hour. The inspector did so, and was handed a packet by another assistant. An analyst certified that it was deficient in calomel to the extent of 37.5 per cent. Albert Bennett, the inspector in question, gave evidence of purchase. On cross-examination by Mr. C. H. Kirby (Neve, Beck and Kirby), the witness said he had been in the shop before, and the assistant (Mr. Davis) knew him. Mr. Kirby: He would know, therefore, that you were an inspector, buying with a view to an analysis?—He probably guessed that. You have told us that he had to make the ointment up for you, and I put it to you that he could have as easily made up a 33 per cent. as a 20 per cent. calomel ointment?—I suppose so. The Magistrate (to Mr. Kirby): I suppose the defence is that it was a mistake? Mr. Kirby: Yes, a mistake on the part of the inspector. Mr. Davis had no calomel ointment made up at the time, and he was, as the saying is, "caught on the hop." He thought that what was wanted was ordinary calomel ointment. The Magistrate: I think it is more likely that he made a mistake than that the inspector did. It was probably carelessness. Mr. Kirby: It seems rather absurd to try to catch a respectable chemist in this way, when it would be just as easy to deliver a written order. The Magistrate: It may do good. It may make the assistant more careful. At the same time, it is not likely he would purposely sell a wrong article when he knew the purchaser was an inspector. Mr. Kirby: I think you will agree that it was a *bona-fide* mistake. The Magistrate: Defendants can pay 3l. 3s. for the costs of these proceedings, and the summons will be dismissed under the Probation of Offenders Act.—At the same Court, Boutall's, Ltd., 150 Southampton Row, were summoned for selling at their branch shop, 20 Bury Street, W.C. 1, calomel ointment which was not of the strength demanded. William Rogers, giving evidence of purchase, said that one of the Holborn Borough Council inspectors instructed him to go into the shop and ask for some 33 per cent. calomel ointment. He had a printed sheet in which those words appeared, and he showed the sheet to the assistant when giving the order. He was given some article without comment, and paid for it. In re-examination, Mr. Kirby, for the defence, suggested to the witness that he rather bungled over the name of what it was he was to ask for, and that after looking at the leaflet he simply said "Calomel ointment." In reply, Mr. Larard produced the analyst's certificate, which showed that the ointment contained 10 per cent. of calomel. Mr. Kirby pointed out that the article as served was labelled simply "Calomel Ointment," and not "33 per cent. Calomel Ointment." In reply to the magistrate, it was stated that the ordinary strength of calomel ointment, according to the British Pharmacopœia, was 20 per cent. of calomel. Mr. Kirby explained that the assistant understood that he was asked simply for calomel ointment, no strength being specified, and he therefore served it, as he believed at the time, of British Pharmacopœia strength. The shop in Bury Street was only taken over by Boutall's, Ltd. from the previous owner a few months ago, and the calomel ointment sold to the inspector's agent was from the stock of their predecessor. He produced the label, the label on which bore the Latin name of the ointment and the words "20 per cent. B.P." They had relied on its being according to the label. The Magistrate: Well, if they sell it, and it proves to be only 10 per cent., they must put up with the consequences. After some discussion as to a technical error in the summons, the magistrate said that the inspector seemed to have been rather unfortunate in his choice of a messenger to make the purchase. He would not record a conviction in the case, but the defendant company would have to pay 5l. 5s. costs.

KPA WORKS, LTD., photographic-paper manufacturers, Howlow, issue a wall-calendar (16½ in. by 13 in.), with large white figures on a dark ground, one month to each sheet. The figures are easily legible at a distance of several feet.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

DONE, CLEAVE & BURDEN, LTD. (P.C.).—Capital, 2,000l. Objects: To take over the business of manufacturing chemists carried on by E. Done, H. D. Cleave, Elsie A. Done, C. W. Burden, and J. W. Done, as "Edward Done." Solicitor: T. B. Hooper, 55 Temple Row, Birmingham.

FORBEST, LTD. (P.C.).—Capital, 3,000l. Objects: To carry on the business of photographers, including the developing, printing, and enlarging of photographs and pictures, stationers, printers, lithographers and publishers, film agents, and manufacturers of cinematograph films and other kinds of cinema apparatus. R.O.: 171 Brook Street, Broughty Ferry, Dundee.

GIBSON & DINNING, LTD. (P.C.).—Capital, 1,500l. Objects: To take over the business of chemists, druggists, and grocers carried on by J. T. Gibson and J. Dinning at 17 Market Place, South Shields, as "B. Williamson & Co. (Gibson & Dinning, proprietors)." The permanent directors are: J. T. Gibson, 10 Broughton Road, South Shields, and J. Dinning, 47 Stauhope Road, South Shields.

JOHN JAKSON & CO. (MITCHAM ROAD, 1921), LTD. (P.C.).—Capital, 5,000l. Objects: To take over the business of growers and distillers of peppermint, lavender, and chamomile carried on by John Jakson & Co. (Mitcham Road), Ltd., at Croydon, Wallington, Banstead, and elsewhere in Surrey. The first directors are: Blanche A. A. Lelasseur and A. C. P. Turner. R.O.: Peppermint Distillery, Mitcham Road, Croydon.

M. J. RYAN & CO., LTD. (P.C.).—Capital, 2,000l. Objects: To take over the business of a pillmaker and patent-medicine manufacturer and vendor carried on by A. S. Ryan at St. George's Chambers, Bolton, as "Ryan & Co.," together with the recipes, prescriptions, and information relating to manufacturing and the right to manufacture "M. J. Ryan's Famous Liver Pills." The first directors are: A. S. Ryan, P. Brooker, Emily Ryan, and M. J. Ryan. R.O.: 22 Chorley Old Road, Bolton.

LORD BROS. & CO. (BROADHEATH), LTD. (P.C.).—Capital, 100l. Objects: To carry on the business of manufacturers, refiners, and preparers of and dealers in blue, blacklead, metal, boot, and furniture polishes, whitening, bath brick, starch, ultramarine, plumbago, emery, emery-cloth, knife and plate powders, varnishes, dyeware, colours, perfumes, soaps, oils, and proprietary articles of all kinds, manufacturing and general chemists, manufacturers of and dealers in toilet requisites, etc. R.O.: Radium Works, Broadheath, near Manchester.

BRITISH TAR PRODUCTS, LTD. (P.C.).—Capital, 400,000l. Objects: To take over the undertaking and all or any of the assets of British Tar Products, Ltd. (incorporated in 1916); to adopt an agreement between the said old company and the Cavendish Syndicate, Ltd. (on behalf of the company); and to carry on the business of distillers and refiners of tar, benzol, petroleum, and other oils, shale, asphalt, coal and other liquids and substances, and all products thereof, chemical and explosive manufacturers, gas and dyemakers, druggists, soap-makers, manufacturers of patent fuel and road-making material, ship, dock, and wharf owners, etc. R.O.: 11 and 12 Pall Mall, London, S.W. 1.

AMALGAMATED PHOTOGRAPHIC MANUFACTURERS, LTD.—An amalgamation has been arranged of several businesses in the photographic trade, involving the formation of a new company entitled the Amalgamated Photographic Manufacturers, Ltd., with an authorised capital of over a million. The companies concerned are: The Paget Prize Plate Co., Watford; Rajar, Ltd.; Marion & Co., Soho Square; Marion & Foulger, Bedford; A. Kershaw & Sons, Leeds; Kershaw Optical Co., and the Rotary Photographic Co. (1917), Ltd.

Dangerous Drugs Act Regulations.

The Irish Pharmaceutical Society's Protest.

MR. ARTHUR T. FERRALL, Registrar of the Pharmaceutical Society of Ireland, has sent the following letter, dated January 28, to the Home Secretary:

In thanking the Secretary of State for the opportunity afforded of considering the Dangerous Drugs Act Draft Regulations before their final adoption, I am directed by the Law Committee to say that while they agree that everything possible should be done to check the abuse of the potent drugs specified, they feel that the Regulations, taken as a whole, exceed the intentions of the International Convention, and are so cumbersome as to be unworkable in actual practice. They desire to draw the special attention of the Secretary of State to the following points in particular:—

(1) It would appear that none of the drugs set out under the Regulations (and preparations of these drugs when above certain strengths) can be supplied except by a prescription written by a registered medical practitioner. In framing this Regulation it is evident that two classes of drug dealers peculiar to Ireland have been entirely overlooked—namely, the "chemist and druggist" and the "registered druggist." These traders are qualified and licensed according to the Irish Pharmacy Acts to sell poisons, but are precluded by law from compounding medical prescriptions not having passed any examinations in that branch of pharmacy. My Committee feel, therefore, that if these two classes of traders are not provided for under the Regulations they will be deprived of a part of their living. Undue inconvenience to the public will also result, because there is a large number of these special drug dealers scattered throughout Ireland, many being in villages which are a long distance from a qualified pharmacist, the only medium for the compounding of prescriptions. In rural districts, therefore, it will not be possible, according to the Regulations in their present form, to continue the custom that has obtained for generations—for example, a farmer in an isolated district can at present obtain from the registered druggist a portion of, say, tincture of opium, and thereby save the life of a valuable animal. If the chemist and druggist and registered druggist who are not qualified to compound prescriptions are precluded from supplying, as heretofore, domestic remedies containing any of the specified drugs, not only animal life, but human life also, will be greatly endangered. My Committee consider that the distribution of the population in Ireland is an extremely important factor in the framing of any Regulations under the Dangerous Drugs Act. Ireland being largely an agricultural country, the procedure in dealing in many of the specified drugs for domestic use is in the main somewhat different from that obtaining in England. Within the memory of the writer there has never been any abuse of the potent drugs in the rural districts of Ireland, and the chemists and druggists and registered druggists are most careful retailers, as, indeed, they have to be under the terms of their licences. My Committee, therefore, earnestly hope that not only the conditions and customs in Ireland, but also the question of the two additional qualified classes referred to, will be seriously considered by the Secretary of State, without prejudice, of course, to the existing Irish pharmacy laws.

(2) My Committee deplore the Regulation which insists upon two separate books being kept for each of the specified drugs. They feel that this is wholly unnecessary, and in the average shop quite impracticable. They are of opinion that two books in all would be quite sufficient, one book for the purpose of entering up all purchases, and one book for entering up sales of the specified drugs. With regard to the latter, and still further to cut down the clerical labour involved, they consider that instead of entering the prescriptions in full it would be quite sufficient to insert only the reference number of the entry in the ordinary prescription book in which the prescription has already been copied in full. (Every pharmacist has

a "prescription book" into which is copied every prescription he compounds, whether the prescription include a poison or not.) To this end a scheme of heading for the sales book suggested by my Committee is submitted

Date of Prescription	Patient's Name and Address	Name and Quantity of Specified Drug	Reference No. of Prescription in Prescription Book	Prescriber's Name and Address

(3) Adverting to the Regulation requiring that the specified drugs shall only be supplied when prescribed by a duly qualified medical practitioner, my Committee are surprised that no provision has been made for prescribing by qualified veterinary surgeons and registered dentists. Both of these practitioners are frequently obliged to prescribe the specified drugs, and as the Regulations state the only means open to these practitioners is to administer the drugs themselves.

(4) In regard to Regulation 8 my Committee consider it unwise and unnecessary to state the amount of the specified drug on labels. In the case of proprietary preparations containing more than the specified strength (such are ultimately allowed to be sold apart from a prescription), it is felt that stating such particulars on the label is encroaching upon the rights of owners and opening up a way to unfair competition. It is felt that this provision is wholly unnecessary, inasmuch as already the name of any potent ingredient coming under the existing Pharmacy Act Poisons Regulations must be by law clearly stated upon the label. Further, it should be remembered that the Proprietary Medicines Bill now going through Parliament provides for the full formula of every proprietary medicine being deposited with the Government. With regard to medicines compounded according to prescriptions, my Committee consider the requirement that the name and amount of potent ingredients be stated on the label is wholly out of place. Some patients on seeing such a particular will clamour for unnecessary repetition of the medicine concerned, while others on this account will not take the medicine, the result being that medical practitioners will be continually embarrassed and their patients will not only be endangered but even lost.

(5) My Committee consider that it would be a distinct hardship if the Regulations are intended, as is presumably the case, to stop altogether the retail sale without a prescription of various proprietary medicines and domestic remedies which happen to exceed the specified strength of any of the potent drugs named. A distinct injustice would be done to the owners of such proprietary preparations in view of the enormous capital sunk in their undertakings, and the public would be deprived, as regards minor ailments obviously not requiring medical attention, of the advantages to which they have been so long accustomed. My Committee consider that the competition of the majority of such articles being so complex they could not possibly lead to any abuse of the principal potent ingredients. The Committee remind the Secretary of State that this matter will come within the scope of the Proprietary Medicines Bill now before Parliament, and the public will no doubt be still further protected by that measure without the unnecessarily drastic provisions and consequent inconvenience of the Regulations under review.

(6) My Committee suggest a substantial modification of Section 13. As this section stands, it means that a person ill in bed for whom a medicine coming under the Regulations is prescribed will in order to obtain the medicine have to give a written order to the messenger sent to the compounder. In many instances the patient will be physically unable to comply with this.

(7) My Committee consider that it should be sufficient for a doctor to append his usual signature to a prescrip-

ion instead of being required, as the Regulations state, to write his name in full. This may seem a small matter, but in reality it is a point of vital importance. My Committee would remind the Secretary of State that in connection with the existing D.O.R.A. Regulations respecting cocaine and opium pharmacists everywhere experienced at times the greatest trouble in getting doctors to comply with the specified requirements when writing prescriptions involving either of the drugs mentioned, and this leads to irritation and unpleasantness and much loss of valuable time on both sides. Doctors as a class are extremely busy persons, and they necessarily have not got what might be termed the commercial detail needed for purely official requirements. My Committee accordingly strongly advocate cutting down to a minimum the clerical work imposed upon medical practitioners.

(8) With regard to the strengths of the specified drugs, my Committee are not clear whether in the case of a bottle of medicine containing the drugs mentioned the Regulations shall apply only to the separate ingredient or to the completed medicament. In many cases the dilution brought about by making up the bottle probably will bring the percentage below the minimum quoted in the Regulations.

(9) My Committee consider that the Regulations will be unworkable in the cases of hospitals and public dispensaries, and they would like to see the provision respecting these made more explicit. The point is one of great importance, as in Ireland there are probably a greater number of public dispensaries (under the Poor-law system) in proportion to the population than in Great Britain.

In conclusion; my Committee would strongly urge the vital necessity of the Secretary of State consenting to receive a deputation from the Pharmaceutical Society of Ireland, as they consider that an interview would be much more satisfactory than correspondence.

Pharmaceutical Society's Suggestions.

The following are the suggestions made by the Pharmaceutical Society of Great Britain, and referred to in our part of the Society's Council-meeting on p. 68.

The Council received a report from the special committee appointed to deal with the Dangerous Drugs Act Regulations. The committee set out the fundamental and detailed objections to the Regulations as drafted. These objections were so many, and were of so serious character, that the committee consider that the draft does not afford a suitable basis for amendment; hence they suggest that the Draft Regulations should be withdrawn, and that the Home Secretary should be asked to give time for consultation with the various bodies representing those who will have to carry out the Regulations and for the preparation of Draft Regulations in the light of those consultations. The point in the Society's letter of December 6 that the bringing of all the substances within the provisions of the Pharmacy Acts applicable to Part I. of the Schedule in the light of Article 10 of the Convention justifies the delay that would be entailed in the making of further draft Regulations should be emphasised.

As to the provisions relating to the dispensing of drugs in institutions, the report stated that Regulation 3 gives the Secretary of State power to exempt from its provisions the dispensing of drugs at any public hospital or board ship. It should be noted that in this connection there is no definition of the term "public hospital." In the opinion of the committee it is impossible to cover by a general description institutions which should be exempted, and exemptions should only be given to institutions approved by the Ministry of Health for such exemption, each institution being considered on its merits. In the view of the committee, the conditions of supply in public institutions differ to such an extent from those prevailing in retail pharmacies that it would be better to have separate Regulations should be made applicable to such institutions. The committee understand that representations have been made by the Public Pharmacists' Association and other hospital pharmacists on this matter, and the committee are in communication with them with a view to suggesting suitable Regulations for application to institutions.

The Council decided:

(1) To submit to the Home Secretary the fundamental and detailed grounds of objecting to the Regulations as drafted.

(2) To take all possible measures to secure the withdrawal of the Regulations as drafted, and to request the Home Secretary to set up a joint committee for the purpose of drafting such Regulations as in the opinion of that committee would be advisable.

(3) To ask the Home Secretary to receive a joint deputation on the subject, and to seek for this purpose the co-operation of the responsible bodies connected with the medical, dental and veterinary professions and of other interests involved.

(4) To empower the sub-committee, consisting of the President, Vice-President, Messrs. Rowsell and Skinner, to take any action they might deem expedient in furtherance of the Council's policy on this matter.

The Scottish Federation Moves.

The Propaganda Committee of the Scottish Pharmaceutical Federation has sent out the following circular to chemists ("Dear Brother Pharmacist") in Scotland, printed in red and black with displayed type:

This Circular Vitrally Affects Your Interests.

** YOUR BUSINESS IS IN DANGER.*

Are you aware that, at this moment, *Government Regulations have been published which, if not successfully resisted and blocked*, will become law on February 14, 1921, whereby your prescriptive right as a vendor of poisons under the Poison and Pharmacy Acts will be reduced to a mere nothing?

Under the Regulations you will not be allowed to sell laudanum, chlorodyne, Bow's liniment, solution of morphia, lead and opium pills or lotion, gall and opium ointment, Dover's powders, and a host of other articles, without your customers first of all procuring from their doctor a prescription for the same every time they wish to make a purchase.

The purchase being completed, you will require to enter up in special books kept for the purpose a record of the sales, etc.

Hitherto prosecutions have been conducted in the Civil Courts. Under these Regulations any case will be tried in the Criminal Courts. The inspectors of these records will be the local policemen.

Country chemists will appreciate the iniquity of the measure when they realise that they will not be allowed to serve any farmer or stock-breeder with simple remedies, such as colic draughts, etc., if they contain opium in any shape or form. Further, a farmer, etc., will not be allowed to keep these remedies on any part of his premises for cases of sudden illness among his stock.

Complete unity is required in our efforts to secure the repeal of this obnoxious measure.

We must have your personal support, whether you are a member of the Federation or not. The day is past for playing the lone hand.

How you can help will be told you in our next circular, which you will receive in course of a post or two.

A further circular, dated February 1, and beginning "The Greatest Crisis in the Drug Trade since 1868," has since been issued as follows:

As promised in our letter of January 29, we send herewith some guiding suggestions.

We had hoped to enclose with this circular a copy of the Draft Regulations of the Dangerous Drugs Act, 1920, but printers' delays have prevented us, but, in the meantime, please consult the *C. & D.* and the "Pharmaceutical Journal" of January 15, 1921.

First of all, we must impress upon you the *supreme importance of at once attacking the forces that have caused all this trouble*, and secondly, claiming the assistance of all those who have a voice in the settling of this *unnecessary, unwarranted, and obnoxious measure*.

If it should happen that this measure become law, and it become law through the *apathy and indifference* of the pharmacists themselves, then it is our considered opinion that all your rights and privileges will be scattered to the four winds and the *future of pharmacy will be damned for ever*.

There is one poison authority *only*, and that authority *must still* be the Pharmaceutical Society of Great Britain.

All legislation on poisons and narcotic drugs must be conducted, after *mutual discussion* between the Government

Departments concerned and the Pharmaceutical Society, because this has been the law since 1868.

We will have other suggestions to make, but meantime we will confine ourselves to two ways in which you must assist us to defeat the common enemy.

First of all, we wish you to write to the Secretary of State, and secondly, write to your local member of Parliament.

But there must be no putting off—it must be done now.

We do not desire to dictate to you what you should say in these letters, but we have been privileged to see copies of letters which a brother pharmacist has sent in. We have his permission to reproduce them, and we venture to think that they will prove helpful to the trade generally in drafting such letters.

You can either copy these entire or amend them to suit your own mind, but please do not forget the main issue.

All letters should be written on your *own business note-paper*.

The suggested protest to the Secretary of State is as follows:

As a pharmacist qualified under the Pharmacy Act, 1868, I beg to refer you to the Draft Regulations of the Dangerous Drugs Act, 1920, published in the "London Gazette" of January 7, 1921, and I most emphatically protest against these Regulations, and pray that you have these withdrawn.

I base my protest upon the following points:

1. The Regulations are *ultra vires* of the decisions of the International Opium Conference held at The Hague, on December, 1911, and January, 1912—(see page 10, Article 12) where it states, *inter alia*: "This rule shall not necessarily apply to medical prescriptions and to sales made by duly authorised pharmacists."

2. They would supersede the Pharmacy Acts without Parliamentary authority.

3. They do not, in my opinion, attain the desired result, viz., the suppression of abuses.

4. They tend directly to increase the prevailing unrest among the poorer working classes by raising the cost of medicine, by virtue of their having to pay a fee for a doctor's prescription every time they require to purchase and re-purchase simple remedies, and involve needless suffering by all classes on account of vexatious delay in procuring medicines that are urgently required.

5. They are intolerant, cumbersome, and unworkable, and, in my opinion, quite impracticable in the conduct of a pharmacist's business.

6. They transfer the prosecution of the offenders from the Civil to the Criminal Courts, thus making the pharmacist who innocently contravenes one of the unworkable regulations a criminal.

7. They hamper industry.

I respectfully solicit your sympathy and support, and pray that you have these regulations withdrawn until the whole situation has been revised by a properly constituted expert committee.

To Members of Parliament the following is suggested:

May I ask your kind consideration of the enclosed copy of a letter I have submitted to the Secretary of State against the Regulations proposed to govern the working of the Dangerous Drugs Act, 1920, which I cannot help thinking has been framed in ignorance of the working of the existing Pharmacy Acts, which, for the last fifty-three years, have very successfully regulated the sale of all narcotic drugs? These regulations go far beyond the original Act, and encroach upon the statutory rights of all pharmacists.

Advertisements are being inserted in the Scottish Press, the following being a sample from "The Dundee Advertiser":

WARNING TO THE PUBLIC.

FAR-REACHING REGULATIONS AFFECTING THE SALE OF MEDICINES Are due to become law on February 17, 1921, which will add seriously to the cost of living, especially to the working classes.

The Public are warned that these Regulations are being made by a Government Department without consultation with the body responsible to the State for such enactments. These Regulations cannot be revised, Parliament not being in Session.

Further information will be given later.

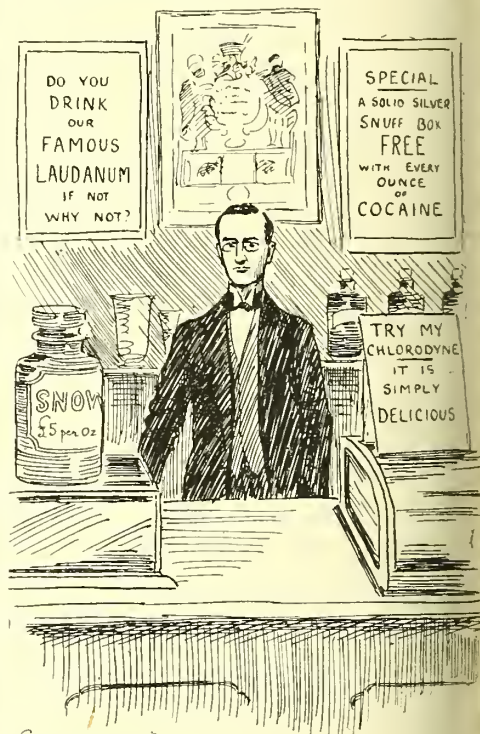
ASK YOUR CHEMIST WHAT IT MEANS.

Press Opinions.

The "British Medical Journal" has not so far printed any criticism of the Draft Regulations which so profoundly affect medical practitioners, but states in its issue for January 29 that the Regulations become operative after forty days from giving notice in the "Gazette"

of intention to publish them. This, according to the terms of the Dangerous Drugs Act, may be modified. It is stated that "the Medico-Political Committee [of British Medical Association] has already made a protest to the Home Office on general grounds, and is considering detailed representations with a view to modification of Regulations. These Regulations, which will affect daily life of every practising doctor, have been issued without any attempt to consult the British Medical Association as representing the organised profession."

In the reprint of the remarks of "The Hospitaller" which were given in the *C. & D.*, January 29, p. 59, the word "legitimate" in the seventh line from the bottom of the column was wrongly printed.



Granville Shaw

THE HOME OFFICE IDEA OF A RETAIL PHARMACIST.

Income-tax Question.

A KING'S BENCH Divisional Court, on February 3, had an application on behalf of the Trustees of National Refuges for Homeless Children (the Shaftesbury House and the *Arethusa* Training Ship) for a rule to the Income Tax Commissioners to show cause why they should not repay the sum of 21,369*l.* paid as tax in respect of the income of the Society. Counsel explained that the question was whether the income fell within certain words of Section 37 of the Income Tax Acts. It appeared that Alfred Fennings, the proprietor of certain patent medicines, by his will dated July 19, 1890, bequeathed the goodwill and profits of his business to trustees to carry on the business and pay certain sums to a charity for the purpose of educating and clothing homeless London boys. By agreement with manufacturing chemists the business was carried on and the charity benefited. The Income Tax Commissioners were now trying to say that as this was income from a business it should be taxed. Counsel contended that the income going to charitable objects it should not be taxed. Rule granted.

At Oxford, on January 25, a statute was carried transferring the title of "the Whitley Professorship of zoology" on the office endowed by Mr. Edward Whitley, Trinity College, for the teaching of that science.

Insurance Act Dispensing.

Record of matters concerning Chemists' interests in the National Health Insurance Acts

London.—At a meeting of the Insurance Committee held on January 27, Mr. F. G. Harris (chairman) presiding, the accounts recommended for payment to chemists amounted to 34,010*l.* 1*s.* 10*d.* for the medical year 1920. The sums of 750*l.* and 547*l.* were allotted to the Panel Committee and the Pharmaceutical Committee respectively. The General Purposes Sub-Committee recommended that future the work of supplying information to the Panel Committee in connection with the pricing of prescriptions undertaken by the Joint Service Sub-Committee. The recommendation was adopted. The Sub-Committee submitted the following statement showing the cost of drugs, supplied to insured persons from January to December, 1920: No. of accounts, 8,111; scripts, 2,912,970; prescriptions, 3,553,729; average cost per script, 11.55*d.*; cost per prescription, 9.47*d.*—total cost, 140,201*l.* 11*s.* 9*d.* The Pharmaceutical Service Sub-Committee stated that complaints had been made by two persons of delay on the part of a chemist in dispensing. They had had no evidence before them to disprove the statements of the two complainants, but they thought the delay was attributable to the state of health of the chemist at the time. They recommended that no further action be taken, and this recommendation was adopted. In a case in which an insured person complained that a prescription had been incorrectly dispensed by the chemist, the Pharmaceutical Service Sub-Committee reported that the manager of the pharmacy assured them that he made up the two solutions personally, and that he could testify to their accuracy according to the prescription. They were of opinion that there was evidence to prove that the two solutions supplied were in any way incorrectly dispensed. The report was approved. In reference to a complaint that a chemist refused to dispense a prescription, they formed the opinion that the complainant experienced difficulty in hearing distinctly, and if the chemist spoke in the subdued tones in which he conducted his case, the insured person might not have heard what was said to him. They were of opinion that the complaint had not been substantiated. This was agreed to. The Pharmaceutical Service Sub-Committee reported that they had considered a complaint to the effect that a prescription had been inaccurately dispensed. They examined the prescription, which was for two medicines—eight ounces mist. acida (L.I.P.) and five grains of calomel. The analyst's report was as follows: "The mixture contains nearly 1 per cent. sulphuric acid instead of nitro-hydrochloric acid. No calomel was found. It contained a small quantity of a bitter principle, which appeared to be gentian." The manager of the branch informed them that he was of opinion that the medicine was dispensed strictly in accordance with the prescription. The only reason that he could assign for the smell attached to the bottle was the presence of a dirty cork, which was not in the bottle at the time it left the shop. They were of opinion that it was handed to the insured person in very much the same condition in which it was presented to the Sub-Committee, and they could not help feeling that there had been a great lack of supervision at the pharmacy. Further, in the analyst's report it appears that the prescription was incorrectly dispensed. They regarded the case as an example of flagrantly careless dispensing, of which a very serious view must be taken. They pointed out in strong terms to the managing director of the company's responsibility for the acts of its branch managers was absolute, and that it could not shirk itself by appointing men with correct paper qualifications, unless it also took the fullest steps to see that they were actually fitted for their posts. The Committee was of opinion that the complaint had been substantiated, and recommended that the chemist be severely censured. Mr. Ensor (chairman) said that the analyses received from the L.C.C. were not satisfactory and definite enough, and they could not rest satisfied with them. They did not seem to understand that the prescriptions were separate. The recommendation of the Committee was adopted.

N.E. Midland Pricing Bureau.—A meeting of the Joint Committee of the North-East Midland Prescription Bureau was held at the Town Hall, Sheffield, recently, and was well attended. Mr. A. J. Cash (Derbyshire) was elected Chairman for the ensuing year, and Mr. M. Addy (Huddersfield) deputy chairman. The report of the Executive Sub-Committee on the work of the Bureau for 1920, which was approved, showed that the number of prescriptions received for pricing was 1,979,568, an increase of 111,690 as compared with the previous year, a noticeable feature of the increase being the higher figures relative to certain of the industrial centres. The report showed that the monthly pricing results had continued to be issued in accordance with the dates specified, while satisfactory results also were shown in respect of the continuous scrutiny conducted by the Pharmaceutical Society of Great Britain, and by the report of the Government auditor. Amongst other matters referred to was the question of the revised scheme of the Ministry of Health for facilitating the work of Panel Committees in their investigations of excessive prescribing. In the discussion which followed the Committee gave considerable attention to this matter. The administration accounts for the year show a net expenditure of 2,535*l.* 5*s.* 10*d.*, which is equivalent to a cost per thousand prescriptions of 1*l.* 5*s.* 7½*d.*

Sheffield. A meeting of the Insurance Committee was held on February 2. In the report on the annual meeting of the National Insurance Associations Mr. Harris, of the Ministry of Health, stated that reports from various districts showed that doctors are taking fees from panel patients, and that the Ministry are determined to put this practice down. The Prescription Pricing Bureau drew attention to certain proprietary articles having been ordered by practitioners. In view of the Regulations whereby all prescriptions for certain periods come under review, it was decided not to take action in respect of individual prescriptions. The monthly payments to chemists amounted to 1,280*l.* 6*s.* 1*d.*

Surrey.—The Pharmaceutical Committee held a meeting on January 26. Mr. E. T. Neathercoat in the chair, and subsequently Mr. Noble (Mr. Neathercoat having to leave early to attend an official meeting). The annual statement of accounts, presented by the secretary, was received and adopted, subject to audit by the Committee's auditors. The Committee approved of the transfer of their portion of the Local Associations Executive funds to the new Retail Pharmacists' Union, and it also entered into a contract with the Union for the checking of prescriptions for 1921. A circular from the Pharmaceutical Society with regard to the Dangerous Drugs Act Regulations was presented, when the secretary was requested to issue a notice to every chemist in Surrey asking him to send a letter to the Home Secretary protesting against the Regulations. The secretary was also requested to communicate with each member of Parliament of the county on the subject.

West Bromwich.—A meeting of the Insurance Committee was held on January 26, at which a summary of the figures for the quarter ended September 30, 1920, as compared with the corresponding quarter of 1919, was presented, as follows:

	Number of prescriptions	Total cost approx.	Cost of dispensing fees	Cost of increased patients	Average dispensing fee	Average increased patient cost
Sept. 1920	18,839	709	389	320	4.96	4.08
Sept. 1919	13,240	403	209	200	3.79	3.62

Urgent fees for the quarter ended September 30, 1920, numbered thirty-three, at a cost of 11*s.* 8.7*d.* Payments have been made to chemists during the months of November and December 1920 and January 1921 of 296*l.* 15*s.* 9*d.*, 296*l.* 16*s.* 4*d.*, and 290*l.* 12*s.* 3*d.* respectively. Payments amounting to 14*l.* 12*s.* 4*d.* have also been made to doctors this month in respect of supply of emergency drugs, etc., during the year 1920. An application from a chemist to be included in the list of persons supplying drugs and appliances has been approved. Sixteen tests were made by means of a mixture and an ointment obtained from each of the eight chemists in the borough. Two samples were defective.

Festivities.

Managers Entertained.

At the invitation of the directors of Hayes, Conyngham & Robinson, Ltd., the managers were entertained to lunch recently at the Royal Hibernian Hotel, Dublin. After lunch, pharmacy, from drugs to salesmanship, was discussed. Replying to a vote of thanks, Sir Thos. Robinson, managing director, expressed the hope that the year 1921 would be beneficial to the country, the firm, and the staff.

Birmingham Chemists' Dance.

THE Birmingham Pharmaceutical Association held a dance on January 26. The President and Mrs. Atkinson received and welcomed the guests, to the number of 200 or more. After supper, which was served at 9.30 p.m., dancing was resumed, and continued until the early hours of the morning, an enjoyable evening being spent. For non-dancers a whist-drive was arranged. The prize-winners were: *Ladies*—1st prize, Mrs. Goodman; 2nd prize, Mrs. J. Poole. *Gentlemen*—1st prize, Mr. T. Hill; 2nd prize, Mr. Howard.

Edinburgh Assistants' Reunion.

THE Edinburgh Chemists', Assistants', and Apprentices' Association held the annual reunion and whist-drive in the Pharmaceutical Society's Hall, 36 York Place, on January 26. The company completely filled the hall. The prize-winners were as follows: *Ladies*—1, Miss M. Ingram; 2, Miss H. R. Mitchell; consolation prize, Miss L. Cameron. *Gentlemen*—1, Mr. A. Thom; 2, Mr. J. Harbison; consolation prize, Mr. J. Johnston. A musical programme was contributed by Misses Anderson and Cairns and Messrs. Calder, McKenzie, and Tait. Mr. G. W. Calder acted as accompanist. On the motion of Mr. W. S. Glass, a vote of thanks was awarded to the artists and Social Committee, and was acknowledged by Mr. H. W. Blair (President).

Cardiff Pharmacists' Whist-drive.

THE first of a series of whist-drives promoted by Mr. E. Poole (assistant secretary of the Cardiff Pharmacists' Association) to augment the Pharmaceutical Society's Benevolent Fund was held on January 26. The total attendance was 115. The duties of M.C. were carried out by Mr. J. Murray, assisted by Mr. D. Brims (President). During an interval light refreshments were handed to the players. The prizes, which had been provided by members of the Association, were presented to the successful players by Mrs. Brims (wife of the President). The winners were as follows: *Ladies*—1 (afternoon-tea knives), Miss Thomas; 2 (grey suede purse), Mrs. Robert Williams. *Gentlemen*—1 (silver inkstand), Mr. Robert Williams; 2 (crocodile-leather wallet), Mr. F. J. Kemp. A special prize provided for ladies playing as gentlemen was won by Miss M. Johnson (silver photo frame). A thoroughly enjoyable evening was spent. The next drive will take place on February 23.

Bath Chemists' Whist-drive.

A social function much looked forward to by the members of the Bath Pharmaceutical Association and their friends is the annual whist-drive and conversazione, which took place on January 27. The President, Mr. D. J. Williams, F.C.S., Ph.C., who was unable to be present, sent a telegram wishing the guests a happy evening and expressing his regret at being absent. His place was taken by the Vice-President, Mr. H. P. Broad, who, with Mrs. Broad, received the members. They were assisted by the hon. secretaries, Messrs. P. J. Thompson and W. J. Hallett. A novelty was introduced at the outset, when Mr. Broad announced that prizes would be presented before the whist-drive took place. A small gift had been provided for the youngest lady present, and this was awarded to Miss B. Jenkin, daughter of Councillor C. Jenkin. Another was received by the oldest practising pharmacist in the room, and the recipient of this was

Mr. Cooper, of Crescent Gardens. The most popular chemist in the room was then asked for, but modestly for bade any application being made, and Mr. Broad annexed the gift for himself, amidst much laughter. Whist was indulged in at thirteen tables, and twenty-four games were played, the winners of the prizes being: *Ladies*—1, Miss Hallett (195); 2, Mrs. James (191); consolation Mrs. Olds (148); lucky number, Mrs. Marsh. *Gentlemen*—1, Miss Higgins (playing as a gentleman, 195); 2, Mr. Hawes (187); consolation, Mr. Latty (137); lucky number, Mr. Weeks. Mrs. H. P. Broad made the presentation of the prizes. During the interval between the games refreshments were provided, and before the party dispersed coffee and cakes were handed round. Through the generosity of the President, chocolates were provided for the ladies, and there was a plentiful supply of cigarettes for the gentlemen. Mr. Loveless gave a short series of humorous recitals, and Miss Jenkin entertained the company at the piano. "Auld Lang Syne" and the National Anthem ended a pleasant evening.

Leicester Chemists' Dinner.

THE annual dinner of the Leicester and Leicestershire Pharmaceutical Association was held at the Oriental Café Market Place, Leicester, on January 27. The guests of the evening included Mr. E. T. Neathercoat (Weybridge) President of the Pharmaceutical Society, and Mr. J. W. Deakin (Northwich), joint chairman Provisional Committee of the Retail Pharmacists' Union. The representatives of twenty-one wholesale firms were present. After the loyal toast, Mr. F. W. Goodess proposed the toast of "The Pharmaceutical Society," coupling with it the President, Mr. E. T. Neathercoat. Mr. Neathercoat replied, referring to the policy of the Pharmaceutical Society in view of the decision of the test case. The Leicester and Leicestershire Pharmacists showed by their applause that they will stand by the Society. Mr. A. E. Young proposed the toast of "The Retail Pharmacists' Union," specially mentioning the chairman, Mr. J. W. Deakin. He hoped that Mr. Deakin would be elected President of the R.P.U., and that he would place before them a Union that would be strong and efficient, and raise pharmacy to a higher level socially and financially. Mr. Deakin responded, drawing attention to the critical measures, such as the Dangerous Drugs Act Regulations and others, which aimed at the limitation of the pharmacist's legitimate business. He invited a pharmacist to send a letter of protest, and asked their support on all matters taken in hand by the R.P.U. Mr. E. B. Ward proposed the toast of "The Midland Pharmaceutical Federation," together with the health of Mr. Hague, the President. Mr. Hague replied, and drew attention to the work that was being accomplished by the Midland Pharmaceutical Federation. He also compared the amount which many workmen had to pay their unions per week, compared with the small sum the pharmacist pays for his local and national security. Mr. J. H. Hawthorn, M.A., then proposed the toast of "The Local Association," and pointed out the present necessity for trade organisation. Mr. A. V. Crofts (Hinckley) proposed "The Ladies," and Mrs. W. Lewes replied. The speeches were interspersed by an enjoyable musical programme arranged by Mr. T. Peberdy.

MUNICIPAL TRADING?—According to the "Daily News" of February 2, a shampoo-soap has been prepared by officials of the London County Council, and the Southwark public-health committee has recommended the adoption of the cleansing scheme, of which the soap is put "on the basis of 2s. per child cleansed."

ELLIMAN'S EMBROCATION.—Two associated London newspapers have this week printed comments regarding the "trade boycott" of Elliman's embrocation, which has been going on for nearly two years. It is added: "The agitation does not affect the 'horse oils' put up by the famous firm, which are intended for veterinary use but are sometimes used by 'humans' who have a taste for powerful remedies. These are sold in the ordinary course by shopkeepers other than chemists."

Chemical Society.

At the meeting of the Chemical Society, held at Burlington House on January 20, the first five ladies to be formally admitted as Fellows of the Society signed the register, and the President, Sir James Dobbie, F.R.S., drew attention to this historic fact. Owing to the large number of papers to be read, there was practically no discussion, and the authors presented their papers in a condensed form. The formation of Derivatives of Tetrahydronaphthalene from Phenyl Fatty Acids formed the subject of the paper read by A. Stevenson (in collaboration with G. A. R. Kon), in which he briefly referred to the formation of γ -phenyl acrylic acid, and also of β -benzyl ethyl glutaric acid, and the reduction of both acids. The Quantitative Reduction of Hydriodic Acid of Halogenated Malonyl Derivatives. Part I. The Amides of Symmetric Dialkyl and Aryl Substituted Amides of Mono- and Di-bromomalononic Acid was the title of a paper read by Miss M. A. Whiteley (with V. Backes and R. W. West), in which the effects of bromination, and the position of the bromine atoms, on derivatives of substituted malonic acid were discussed. These brominated substitutes are quantitatively reduced by the action of hydriodic acid, giving the corresponding dicarboxylic compounds. The mechanism of this reaction was briefly alluded to, which is based on hydrolysis with formation of the original CH_2 group and liberation of the carbonyl compound. Professor G. T. Morgan then read three papers, the first of which, on Dihydroxynaphthaldehydes (with D. C. Vining), referred to the results obtained from a study of the action of anhydrous hydrocyanic acid on naphthalene dihydroxides. The different position of the hydroxide groups was discussed; in one a homo-nucleon compound is obtained with two isomerides; in the other the hydroxides are attached to the two different rings, the four of the resulting compound differing according to the position in relation to the COH group. The next paper was a continuation of a series of investigations, already alluded to by the author, on Reactions of Selenium and Tellurium Acetylacetonates (with H. D. K. Drew), in which he made the interesting observation that on using a chloroform of B.P. standard, containing ethyl alcohol, a tellurium acetylacetonate chloride compound was obtained, containing a molecule of ethyl chloride, the presence of which was due to the action of the chlorine on the ethyl alcohol contained in the chloroform. The corresponding selenium compound is, however, not analogous to the tellurium compound, as it is dimeric. The reactions of these bodies with ethyl hydrazine and aromatic bases were then discussed by the author, who briefly alluded to the resulting compounds. His next paper dealt with his investigations on Ortho-chlorodinitrotoluenes—Part II., in which he referred to the nitration of ortho-chlorotoluene and discussed the three products he had succeeded in obtaining, the relative position of the nitro group in the same, and the relative influence exerted by the methyl group. Very interesting were Mr. M. Nierenstein's remarks on his paper dealing with the Constitution of Catechin. Part III. Synthesis of Acacatechin, as he merely alluded to his former work on this subject, stating that he had now succeeded in rebuilding the original product from the one he had already obtained by synthesis. Professor E. Newbery, of the Town read a paper on Chlorine Over-voltages. He described chlorine over-voltage as being the excess of electromotive force above that of standard chlorine in an electrolyte. A pressure of as much as fifty atmospheres is produced by over-voltage in the electrolytic cell by definite compounds, whereby a distinct explosion is caused, if only a few atoms. Of particular interest were his remarks on the correlation of over-voltage and valency, and that the figures obtained for over-voltages of different elements coincided also with their position in the periodic system. Thus, platinum exhibits various over-voltages, which correspond to its different valencies. Carbon shows an over-voltage of 0, or of 0.45 for the tetravalent variety, and of 0.18 when it is divalent. He pointed out that graphite exhibits an over-voltage of 0.18, and he advanced the opinion that it occurred in an octovalent form, and suggested that in some compounds this octovalency might be

explained by the fact that the two atoms do not actually merge together, but that their electrons circulate in common round the two atoms. Over-voltage is only produced when gases are liberated under high pressure in the electrolytic cell, but not when bases are set free. It was a phenomenon that depended entirely upon the valency, and not on the metal itself, and permitted an insight into the method whereby the current is carried by the electron. Dr. E. B. Maxted presented a further contribution on the Influence of Sulphur, Mercury, Arsenic, and Zinc on the Catalytic Activity of Platinum, dealing with the poisoning effect exerted by the presence of these elements on the catalytic action of platinum. This was measured by the absorption velocity of hydrogen in a system containing oleic acid and 0.005 gram of platinum, with varying amounts of the above-mentioned elements. It was found that mercury had the least poisoning effect on the catalytic activity of platinum. Mr. C. K. Ingold presented a paper on The Conditions Underlying the Formation of Unsaturated and of Cyclic Compounds from Halogenated Open-chain Derivatives. Part I. Products Derived from α -halogenated Glutaric Acids. Owing to the difficulty of obtaining cyclo-butane, cyclo-propane was used as the standard for this group, in order to get quantitative results. The author discussed the structure in carbonic atom compounds, and advanced the view that two carbon atoms occupy more space than two hydrogen atoms, entering into a mathematical consideration of the position of the atoms in such compounds. For the investigation of the subject under consideration the relationship of cyclopentane with dimethylglutaric acid was adopted, and the resulting products were briefly discussed by the aid of slides showing the structure of the various compounds.

Dental Society of Ireland.

THE annual meeting of the Dental Society of Ireland, which consists of chemists and druggists, and druggists practising dentistry, was held on January 26 in the rooms of the Chemists' and Druggists' Society of Ireland, 11 Waring Street, Belfast, the President (Mr. F. T. Smith, J.P., Antrim) in the chair. There was a large attendance. Mr. J. D. Carse (hon. sec.), who read the annual report, said: "Early in the year the President and secretary had an interview with Dr. E. C. Bigger, chairman of the Health Committee of Ireland in Dublin, with the result that we have been placed in exactly the same position as the English Chemists' Dental Society's members. The Committee, however, regret that in spite of the protests of both the Irish and English Chemists' Dental Societies, Dr. Addison still retains the objectionable clauses providing for pharmacists either to give up their chemist's business or cease practising dentistry at the end of five years after the Bill becomes law, leaving it to the Board to decide, in each case, whether they will be allowed to continue or not, a concession which is practically valueless. This clause the two societies have arranged to oppose to the utmost of their power when the Bill comes on again. The question, however, arises now that the Government of Ireland Bill has become law, will the Dental Bill, if passed at Westminster, be applied to Ireland? The Committee are of the opinion it will not, but that it will be left to the Irish Parliaments to apply it to Ireland, each in its own area. As it is practically certain that when legislation takes place in Ireland it will follow the lines adopted in England, it behoves us to support the English Society in getting the Bill altered to our liking by interviewing and sending circulars to Irish members of Parliament attending Westminster, and also by sending a deputation to London to assist in lobbying when necessary. As regards membership there has been a slight addition during the year, but not commensurate with the importance of the work to be done, and the necessity of consolidating our ranks to obtain our ends." The hon. treasurer's report shows that the society's financial position is in a satisfactory condition, a considerable sum being added this year. The funds, as previously stated, are conserved

towards future expenses in connection with the forthcoming Bill." On the motion of Mr. Roberts, seconded by Mr. Leavy (Mountmellick, Queen's County), the report was adopted. Mr. J. Moffett, treasurer, submitted the financial statement, which was passed. On the motion of Mr. Carse, seconded by Mr. Leavy, Mr. Smith was unanimously re-elected *President*. The following *Vice-Presidents* were elected on the motion of Mr. Smith, seconded by Mr. Carse; Messrs. T. Robb, T. Mitchell, and J. Leavy. Mr. J. D. Carse was unanimously reappointed *Secretary*, with Mr. D. S. Bennett, Cahirciveen, co. Kerry, as secretary of the Southern section. Mr. J. Moffett was re-elected *Treasurer*. The following Committee was elected: Messrs. S. Suffern, E. J. Roberts, F. J. Boyle, J. McRoberts, J. Wilkinson, S. Carson, J. Guthrie, S. Hill (all of Belfast), W. Hanna, J.P. (Bangor), W. Hall (Moville), D. Blackwood (Armagh), John Beatty (Clones), D. Gray (Dummanway), J. Unsworth (Ballynahinch), T. W. Dodds (Crumlin), G. Copithorne (Skibbereen), J. A. S. Anderson (Killyleagh), and James Behan (Killaloe). A discussion followed, and Mr. Carse read a letter from Mr. Roberts, President of the English Chemists' Dental Society, which was regarded as hopeful. The secretary was instructed to convey the thanks of the Society to Mr. Roberts and his Society for their interest in the welfare of their Irish brethren. The name of Mr. F. J. Boylan was added to the deputation appointed to proceed to London in connection with the Bill should necessity arise. The President returned thanks for the Society's resolution of sympathy on the serious illness of his wife, who is progressing favourably.

The Chemists' Dental Society.

A SPECIAL meeting of the Chemists' Dental Society was held at 17 Bloomsbury Square, London, W.C., on January 27. The President (Mr. J. W. Roberts) occupied the chair, and was supported by, among others, Messrs. E. Brownbill, J. Hearle, F. C. Ashford, S. V. Brook, J. Y. Fairweather, A. H. Cartwright, E. Mowat, F. D. Fenwick, S. Davis, R. R. Pratt, R. V. Sutcliffe, and the secretary, Mr. Benson Harries. The notice of motion notified to members that 11. 1s. subscription to the C.D.S. should cover membership only was carried unanimously. This fee, it was stated, represents only half that of other dental societies, which, in addition, levy a 21. 2s. entrance payment. An improved insurance scheme for members is being arranged, due notice of which will shortly be issued. Mr. Benson Harries summarised the comments on the clause stipulating that a choice be made either of dentistry or pharmacy five years after the passing of the Act. The number of members of Parliament who are prepared to support the claim of the C.D.S. augurs well for the ultimate success of the campaign, and already signs are not wanting that the persistent and united work of the past ten years will be rewarded. Instructions were given to the Society's parliamentary agent to rally his supporters, who represent every phase of political opinion, and have definitely committed themselves to remedy the chemists' grievances.

THE current issue of the "Monthly Handbook and Price List" of the Peterborough Chemists' Association contains a copy of the amended Poison Schedule as given in THE CHEMIST AND DRUGGIST of January 1. On another page of the Price List Mr. Percy Robinson, Norwich, makes a stirring appeal to pharmacists to take a more prominent part in public life.

VALUE OF THE KRONE.—Experience has shown, states the Austrian Legation, that British and Colonial firms receiving offers quoting prices in kronen appear to be under the impression that one identical currency exists throughout Austria and the new States of Central Europe, and are thus led into error. It is pointed out that the pound sterling is worth in Austrian currency 1.600 kronen, against 320 Czecho-Slovakian kronen and other differing values.

Personalities.

MR. T. E. HUGHES, chemist and druggist, Prestatyn has been elected treasurer of the local Liberal Association.

MR. F. JACKS, chemist and druggist, Stone, Staffordshire, has been elected President of the local traders' association.

MR. LUKE STOCKWELL, chemist and druggist, Croslar Moor, Huddersfield, was seriously injured by a fall on January 25.

MR. L. CAMERON, Ph.C., Seaford, has been elected vice-chairman, and Mr. F. E. PACKER, chemist and druggist, a member of the committee of the local chamber of commerce.

MR. A. TIMMINS, chemist and druggist, West Hartlepool, has been elected Provincial Grand Master of the Hartlepool District, Manchester Unity Independent Order of Oddfellows.

MR. DAN WEIR, the senior representative of Lyso Ltd., Raynes Park, S.W. 19, has relinquished some of his outlying London territory in order to devote close attention to the inner London district.

MR. C. TRIM JOHNSON, Ph.C., manager and director of the George Town Dispensary, Ltd., Penang, is in England for a short time, and can be addressed at Raphael's, Ltd., Hatton Garden, London, E.C. 1.

MR. HAROLD N. ANDREWS, Ph.C., and MR. HARRY W. HAMMOND, Ph.C., have passed the Final examination of the Conjoint Board for the degrees of M.R.C.S. Eng. and L.R.C.P. Lond. Messrs. Andrews and Hammond were both, for some years, members of the dispensing staff of St. Bartholomew's Hospital, London, E.C.

MR. BENSON HARRIES, chemist and druggist, Newport, secretary of the Chemists' Dental Society and ex-President of the South Wales and Monmouthshire Local Associations Federation, was, on January 27, the guest of Captain McClellan, Controller, the Appointments Board, at dinner in Connaught Rooms, London, W.C.

MR. W. GARDNER WILLIAMS has relinquished his connection with Gerald Bromage & Co., 9-10 Foster Lane, London, E.C., on his appointment as sole selling agent for A. W. Schwarz Heirs, Zurich, Switzerland, manufacturers of synthetic perfumes and chemical products. His temporary address is 11 York Street, St. James's, London, S.W. 1.

WE much regret to learn that Mr. E. M. Holmes, F.L.S., Ph.C., a past-President of the British Pharmaceutical Conference, and for many years curator of the Pharmaceutical Society's museum in London, was knocked down by a motor-car near his residence in Sevenoaks on February 1, and that a foot has been amputated in the neighbouring hospital.

MR. W. MASKEW, Ph.C., Hertford, delivered a lantern lecture on January 25, under the auspices of the Hertford Literary and Debating Society, on the subject of a holiday spent by him some years ago in Brittany. From St. Malo as a starting-point, Mr. Maskew conducted his audience through such places of interest as Vannes, Carnac, and Plougastel, giving some interesting and amusing side-lights on the life of the country. The lecture and its fine illustrations were much admired, and at the close Mr. Maskew was heartily thanked.

SIR ROBERT ROBERTSON, K.B.E., F.R.S., M.A., D.Sc., F.I.C., Director of Explosives Branch, Research Department, Woolwich, has been appointed Government Chemist in succession to Sir James Dobbie, retired. Sir Robert who is fifty-one years of age, was educated at Madras Academy, Cupar, and St. Andrews University. He was for some years chemist in charge of the laboratory at the Royal Gunpowder Factory, Waltham Abbey, and subsequently became superintendent of chemistry in the Research Department at Woolwich. He received his degree of Doctor of Science and his Fellowship of the Institution of Chemistry in 1897.

Birth.

HARPER.—On January 26, Joan, wife of Sydney Harper, M.C., and daughter of E. J. Woolley, Ph.C. (James Woolley, Sons & Co., Ltd., Manchester), of twin daughters.

Marriage.

ROWE—LAKE.—At St. Sidwell's Church, Exeter, on January 20, Charles Nosworthy Rowe, Dar-es-Salaam, East Africa, only son of Mr. F. Rowe, M.P.S., Starcross, to Edith Maude, second daughter of ex-Alderman J. H. Lake, late of "The Limes," Mount Pleasant Road, Exeter. [Corrected notice.]

Deaths.

BISHOP.—At Birch Leigh, Highfield Road, Southampton, on January 26, Mr. Samuel Bishop, retired chemist and druggist, aged eighty-six. Mr. Bishop was in early life an assistant to the late Mr. Robert Chipperfield, J.P., whose branch business in Bridge Street he subsequently acquired and personally carried on for sixty-two years, retiring only three years ago. The business is now carried on by Mr. W. J. Fisk, the treasurer of the Southampton Pharmacists' Association. Mr. Bishop did not take any prominent part in pharmaceutical politics, but was always ready to help the funds of the Association. His experience and genial manner to both rich and poor made him very popular as a prescriber, especially with mothers and their families. Mr. Bishop is survived by a son.

BOURQUELOT.—The funeral ceremony of the late Professor E. E. Bourquelot, whose death was announced in our last issue (p. 61), took place at the Church of Notre Dame des Champs, Paris, on January 29. The half of the spacious nave allotted to men was filled to overflowing, many having to find seats opposite. Practically every class connected with pharmacy was represented—officials of faculties, colleagues from the Academies, heads of hospitals, wholesale druggists, retail pharmacists, military officers, pharmaceutical journalists, and personal friends. The chief mourners were the two brothers of the late Professor. The whole of the professors of the Faculty of Pharmacy attended in full official robes, preceded by their mace-bearer. Close by stood representatives of other University faculties. There was no procession to the cemetery and none of the usual funeral orations, the body being removed to the station for transport to the Ardennes, where it is to be interred in the family vault in the little village which was the Professor's birthplace. Our Paris correspondent writes:

The late Professor Bourquelot passed his early days in the pharmacy of M. Loret, who kept shop at Sedan under the quaint sign of the "Truie qui file." The Professor alluded in pleasant mood to these "bottle-washing" days when addressing the students of the Paris School of Pharmacy on a festival occasion. Young Bourquelot was about nineteen when the little town in question witnessed the defeat of the French and the surrender of the Emperor Napoleon III. As a student at Paris he was *interne* (house pharmacist) at the Pitié, now pulled down and rebuilt, but then the most ancient and ruinous hospital in Paris. It was, however, second to none so far as the future careers of the *internes* were concerned; and these successful men would allude to the home of their youthful enthusiasms with a regret which, though doubtlessly sincere, was sufficiently amusing to an outsider. Probably few of the Professors of the School were better known abroad than Professor Bourquelot. He contributed a paper on the International Pharmacopœia to the International Congress of Pharmacy held in Paris in 1900, and was a prominent member of the Brussels Conference for the Unification of "Heroic" Medicaments in 1902 (*C. & D.*, II., 1902, p. 556). His longest journey, I believe, was to Moscow, where he went in 1897 to the International Congress of Medicine with M. Collin,

and those of us who interviewed him on his return will remember the keen and almost boyish interest with which he recounted his experiences. He had served forty-six years in Paris hospitals, and forty-four at the Faculty of Pharmacy, from a preparatorship to a professorship. For twenty years he had acted as general secretary of the Paris Society of Pharmacy. He was elected an honorary member of the Pharmaceutical Society of Great Britain in 1904. His death was somewhat sudden. The pneumonia which carried him off in little over a week was due, it is supposed, to lecturing in an unheated amphitheatre.

FARRANTS.—At High Street, Orpington, on January 19, Mr. Francis Samuel Farrants, chemist and druggist, aged fifty-three.

GARVEY.—At 1 Bray Street, Crumlin Road, Belfast, on January 27, Mr. Michael Garvey, R.D., aged twenty-three. (See p. 49.)

HARDMAN.—At Lytham Road, South Shore, Blackpool, recently, Mr. W. Hardman, a director of Hardman & Holden, Ltd., manufacturing chemists, Varley Street, Miles Platting, Manchester. Mr. Hardman was a member of the Blackpool town council and a Freemason. A memorial service was held at South Shore Parish Church on January 26.

HILL.—At Astley, Ellesmere, on January 24, Mr. C. Hill, formerly of the representative staff of Evans Sons Lescher & Webb, Ltd., Liverpool, aged seventy.

HOLTON.—At Nenagh, co. Tipperary, on January 27, after a long illness, Mr. Joseph Holton, chemist and druggist. Mr. Holton was one of the few chemists and druggists living who were registered in 1890, the year in which the Pharmacy Act (Ireland), 1875, Amendment Act was passed.

JOHNSON.—At Wrinehill, Crewe, on January 22, Mr. Samuel Johnson (Johnson Brothers, manufacturing chemists), aged eighty-three. Mr. Johnson was the son of a grocer at Weston, Crewe, and served an apprenticeship in his father's trade. He began studying in London for the medical profession, but eventually decided to relinquish that career. After a varied experience as seedsman, draper, auctioneer, and general dealer, he conceived the idea of manufacturing proprietary medicines. In the 'seventies he was accustomed to drive through parts of Cheshire and Staffordshire in the ordinary course of his business; and the proprietaries, at first a side-line, gradually absorbed all his attention. Their sale was assisted by distinctive names—*e.g.*, "Chinese Pills" and "X.X. Oils," but still more by his remarkable personality. Mr. Johnson was a man of untiring energy, a total abstainer, and a non-smoker. He leaves a family of several sons. The funeral took place at St. Margaret's Church, Betley, on January 26. A correspondent sends us the following appreciation:

Old "Dr." Johnson was a wonderful personality—absolutely straight, upright, old English type; he had all the appearance of an old country doctor with his well-worn frock coat, "tile" hat, and medical bedside manner. There was no nonsense about him; no jokes; he gave his attention and all of it at once. You could rely on his word in business; and he lived for his business, and hustled at eighty-three as if he was twenty-three. . . . Doctors laughed at him and swore about him, but the public swore by him; and no Health Acts will legislate such men out of existence so long as they have a foundation of sterling character like old Johnson, and so long as they really do effect cures.

SAUNDERS.—At 144 Craigpark, Dennistoun, Glasgow, on January 30, Anna Waite, wife of Mr. Alfred J. H. Saunders, chemist and druggist, 350B Duke Street.

A WITNESS at a recent inquest in South-West London intimated that the deceased person had been poisoned by smoking "opium cigarettes." Death was shown to be due to natural causes.

THE annexe of the Battersea Hospital for the treatment of cancer without operation has been reopened. The wards are under the supervision of a well-known expert and his colleagues, who have devoted special attention to this method of treating cancer. All information may be obtained by application to the secretary, Battersea General Hospital, Battersea Park, London, S.W. 11.

Trade Notes.

BATTERY TESTERS, useful to all sellers and users of pocket electric lamps, are supplied in handy form by Archibald J. Wright, Ltd., 61 Eden Grove, Holloway, London, N. 7.

MR. THOMAS SWALES, Leeds, advertises bandages and bottles in this issue. The bottles, it should be noted, are quinine-tinted, an error having crept into the wording of the announcement.

ANDREW'S LIVER SALT.—The new retail prices—10½d. and 1s. 6d.—came in force on January 29. A new price list has been issued and, with a sample of the salt, can be had for the asking.

"VICTA" FEEDING BOTTLES.—Particulars of this special feeder and the spare parts are given in the announcement of Wm. Edwards & Sons, 157 Queen Victoria Street, London, E.C. 4.

WOODWARD'S GRIPE-WATER.—W. Woodward (1920), Ltd., 79-87 Forteca Road, London, N.W. 5, announce that no more used bottles are required, and none will be accepted after March 31.

MEDICATED LOZENGES.—An interesting development in the business of Francis Newbery & Sons, Ltd., Charterhouse Square, London, E.C., is the supply of all kinds of medicated lozenges, including those of the British Pharmacopoeia.

CORBETT'S SHOWCASES.—W. H. Calnan & Co., Ltd., 30-32 Ludgate Hill, London, E.C. 4, are sole distributors to the drug-trade of Corbett's showcases, show-counters, and display accessories. The Astral display stand is illustrated in Messrs. Calnan's advertisement.

PRIVATE-BRAND SOAPS.—H. Bronnley & Co., Ltd., Acton Vale, London, W. 3, inform us that they have opened a new freehold factory, "Stanley Works," for the purpose of developing the private-brand soap branch of the company's business. The factory will also deal with packed toilet preparations.

IRON-OX is now again supplied in metal boxes retailing at 1s. 3d., also in glass bottles at 5s. It will be remembered that during the war this remedy was sent out in cardboard boxes. The Iron-Ox Remedy Co., Ltd., 10 Lincoln's Inn Fields, London, W.C. 2, offer to exchange any stock which chemists may have of the cardboard-box issue.

CRÈME DE BEAUTÉ NILDÉ.—The Regent Toilet Co., Ltd., 8 Benheim Street, London, W. 1, British and Colonial agents for Nildé, Paris, are making a special offer of 2,000l. worth of samples of Crème de Beauté Nildé, which is explained in the company's advertisement in this issue. The method of free distribution involves the use of a coupon, which chemists are asked to accept at face value. The coupons are afterwards used as payment for the Nildé cream.

MENTHOFAX is a compound methyl-salicylate ointment which has been brought out by Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C. The ointment is put up in collapsible screw-topped tubes, which effectually preserve the contents from deterioration—an important point considering that among the ingredients are methyl salicylate (50 per cent.), menthol, eucalyptol, and cajuput oil. Menthofax ointment is employed as an analgesic and counter irritant in rheumatism, neuralgia, and similar affections.

THYMOL FROM EUCALYPTUS OIL.—It is probable that in the near future a new industry will be established in the country, namely, the manufacture of thymol from eucalyptus oil. Mr. Burnside, of Gillard, Gordon, Ltd., 7 Drapers' Gardens, London, E.C., has informed us that the raw material actually used is peppermint ketone (piperitone), which is obtained principally from eucalyptus olives. An average yield of 25 per cent. of thymol is possible from the ketone, and investigations which have been made show that the proposition is commercially sound.

CONUTOL SHAMPOO.—Sangers, 258 Euston Road, London, N.W. 1, send us samples of the Conutol shampoos, which are the subject of their advertisement in this issue. The liquid Conutol shampoo is packed in fluted bottles with sprinkler tops in an outer carton. The labels suggest the cocoanut-oil origin of the soap used. The 4-oz. bottle sells at 2s. The powder form, selling at 3d., is combined with henna, and is packed in envelopes of a design similar to the labels on the liquid preparation. A special offer is made of extra bottles and packets of shampoo with orders for one or two gross, particulars of which are given in the firm's announcement.

BRITISH LANOLINE.—An amalgamation has been effected between the British Lanoline Co. and the C.V.O. Chemical Works (1919), Ltd., Petersham Road, Richmond, Surrey, by which economies and improvements have been made in the manufacture processes. The result is that a lanoline superior to pre-war quality is now being sold by the company. We have examined samples of the hydrous and anhydrous lanoline produced, and are able to testify to the excellence of the article. Entire freedom from smell is characteristic of both lanolines, and the hydrous variety is of a paler lemon colour than usual—indicating exceptional purity.

RECAMIER PREPARATIONS.—Samples of the toilet goods put up by the Recamier Toilet Products Co., 4 St. James's Street, London, S.W. 1, have been sent for our inspection. The outer packages of the Poudre Recamier and Crème Recamier are ornamented with a Wedgwood design, which has a very pleasing effect. The cream is in dainty little pots with round embossed silver labels, and retails at 1s. 6d. The face powder sells at 1s. 6d., 2s. 6d., and 4s. 6d., or in porcelain pot 7s. 6d. Savon Recamier, selling at 1s. 3d. per tablet, or 3s. 6d. a box of three, is a well-milled and beautifully perfumed soap, packed in black wrappers with silver lettering. All the preparations are attractive and artistic in appearance.

CHRISTY SHOWCARDS.—There is a ceaseless flow of new ideas in showcards from Thomas Christy & Co., 4, 10 and 12 Old Swan Lane, Upper Thames Street, London, E.C. 4. Among those which reached us this week is an attractive showcard for Py-Shan Points tea. The card takes the form of a large letter "T," 15 inches high, with a space in the centre for a carton of the tea, and at the bottom representations of two cups of tea labelled "250 cups from one pound," and "costs less than ¼d. per cup." Another showcard from the same firm, devoted to Zepto tooth-pencil, is intended for a window display. The card is in the form of a triptych, and is printed in subdued colours. The centrepiece is a group of three people whose teeth have attained perfection by treatment with Zepto. The centre card of the three is also produced separately as a showcard. This display matter is sent out with orders of not less than six dozen Zepto pencils. Other smaller showcards are available as additions to a window display.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

E/22. De Miraclo Chemical Co. (present agency).	G/311. Acme polishing materials.
W/12. Iroline perfumery.	L/251. Hoxley's baby-weighing scales.
M/311. Lane's abdominal belts.	

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

Allinson's biscuits, L/12	Reduceine, S/22.
Anolel, D/281	Robin's peptonate of iron, G/251
Detoxicated vaccines, N/12	Small aluminium boxes for face creams, etc., B/12
Mattei Remedies, W/12	Tetra gauzes, B/22
Meeb's antithyroidine serum, R/12	Vade Mecum goods, R/22

Observations and Reflections.

By Xrayser II.

"The Agricultural Side

of the supply of drugs in country districts should not be overlooked." I commend these words to the consideration of all your country subscribers. If, say, laudanum can only be supplied to farmers by chemists on the prescription of a medical man, our veterinary counter practice is virtually gone. There are comparatively few receipts for external applications into which in some form or other opium does not enter, and of many old, tried, and approved internal remedies it is an essential ingredient. Take the single instance of colic drinks. The emergency that calls for these is sudden and sharp; if not at hand when wanted (as they should always be), there must at least be no delay in procuring them; laudanum is undoubtedly of the greatest service in most cases, but where or how, under the Dangerous Drugs Act Regulations, is it to be procured? Even in its second protest the Society does not refer to this aspect of the question, which for many of us is the most serious of all.

A Fellowship in Pharmacy

such as is proposed in Ireland might, as I have previously urged, be a means of advancing both our own Society's interests and those of our craft generally. I suggested last week that to justify its claims upon us the Society would do well to find some means of increasing the benefits we derive from it, and this is the direction I had in mind as that in which it might most profitably proceed. Do away with the invidious distinction between Major and Minor men, throw the title of "pharmaceutical chemist" open to all registered persons, and institute an order of Fellows on the lines of Dr. Barnes's admirable motion, and whatever solid advantages might or might not accrue, I venture to say the Society would gain immensely in popularity with the craft and in prestige with the public. At present it is little more than a puzzle to the latter, who do not, and are not likely to, understand the distinctions between "chemist and druggist," "member of the Pharmaceutical Society," "pharmaceutical chemist," "pharmacist," etc. If the change I advocate were made, this confusion would be simplified. Every pharmaceutical chemist might then naturally be a member of the Society through which would lie his only way to the higher degree. That degree would be a real distinction, and the possession of it a guarantee of competence for any post to which a pharmacist, as pharmacist, can reasonably aspire.

The City of London Tribunal

is more amiable than logical in its judgments, or at least in the reasons it gives for them. In a recent case a return of twopence was ordered, the charge being considered more than it ought to have been, though a long way from anything that could be regarded as "profiteering." Brr. If not profiteering, what concern was it of a Profiteering Tribunal's? If the alleged offence had not been committed why order a return; or, in other words, why convict? Of course one sees what was meant; it was not a bad case, the charge was not exorbitant, probably not more than many chemists might have thought just and reasonable. For the chairman proceeded to advise chemists to revise their prices generally and see if they couldn't let the public have things a little cheaper. The advice was kindly meant, and may have been good in itself. The fact that it was given at all in such circumstances is, however, a serious indictment of the Profiteering Act. That Act is ostensibly directed against individuals, but this advice presupposes a tendency to profiteering against a whole class. It is clear that chemists are suspect in the eyes of those who administer the Act, and that the Act itself allows the condemnation of accused persons as profiteers who are yet declared innocent of profiteering. "Not guilty, but don't do it again," is apparently a quite possible verdict under the Act.

The Rules of the Union

that are being sent out to all chemists have not yet reached me, but I do not like the specimen you gave us last week. I suppose some disciplinary measures may be necessary in such an Association, but one does not, as you say, see how a system of fines could be enforced, and one wonders who would be found to administer it. Is one member to spy on another for infractions of the rules, or are we to have a set of official censors, accusers of the brethren, to keep us in order? A good many of the rules will probably not be universally acceptable; there will almost certainly be differences of opinion as to the relative importance of this or that, and unless a spirit of compromise prevails and a little latitude of interpretation is allowed, at least at first, the Union will assuredly come a cropper at no very distant date. For awhile the rules will all be more or less tentative, and a general assent and consent to them as a working set is all that ought to be expected.

Propaganda

is a very necessary thing, but it is not a thing for which everybody is fitted. The gentleman who said the other day: "The chemist who does not join the Union is a fool," may be correct in his opinion, but his method is not persuasive. It savours too much of the "Be my brother or I will kill you" mode of argument. To call the man who does not agree with you a fool in the hope of securing his agreement is a pretty clear proof that you are one yourself. I do not know a single pharmacist who is not disposed to accept the principle of a Union, but there are a good many who reasonably object to being hustled into the first Union that is presented to them, without examination or question. The only way with these is the way of reason and argument, not that of hectoring and bullying.

Here is an Instance

of the business methods of our Government Departments. My son subscribes to an Italian scientific journal. Applying the other day for a money order for the amount of the subscription now due, he was informed by the Post Office authorities that the rate of exchange is 25 lire 20 centesimi to the pound, which is the pre-war rate, and rather more than four times the present rate. He then made inquiries of Cook & Sons, and ultimately purchased from them for 6s. the number of lire required, thus saving about 18s. And yet the Post Office does not pay its way!

The Centenary

of the death of John Keats occurs on February 23 and will be observed in literary circles all over the English-speaking world. We think of Keats here especially as he was connected with medicine. I have more than once pointed out and commented upon references to medical and chemical facts in his poems; his letters contain several allusions to his own experience as a medical student, and at least one very interesting statement of the value he felt himself to have derived from his studies. He says he did not regret having abandoned them, but to the end of his life he contemplated the possibility of returning to the profession, not indeed as a general practitioner, a career for which he seems to have conceived a great dislike, but as a surgeon on board an Indiaman. He tells a friend that he knows his "gallipots" well enough to get his living by them. To Reynolds, one of his closest correspondents, he says—and wiser words were never spoken by so young a man on such a subject—"Every department of knowledge we see excellent, and calculated towards a great whole . . . I am so convinced of this that I am glad at not having given away my medical books, which I shall again look over to keep alive the little I know thitherwards. . . . An extensive knowledge is needful to thinking people; it takes away the heat and fever; and helps by widening the speculation to ease the burden of the mystery." He had no fear of science injuring his poetry, but speaks of it as giving wings to sustain his flight.

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Editorial Articles.

Those Dangerous Regulations.

THE volume of protest against the Draft Regulations made by the Home Office under the Dangerous Drugs Act is growing enormously as chemists and the public realise the unnecessary inconvenience that would be caused if the Regulations became law. Elsewhere in this issue we print protests and suggestions that have been sent to the Home Office and to members of Parliament. Although no sign has been made to the outer world by the Civil servants responsible for these stupid Regulations, there can be no doubt but that when the forty days' notice has expired there will not be great haste shown to issue the Regulations. We recall that under the Rules Publication Act, 1893, "at least forty days" notice has to be given of the intention to issue Regulations under the Dangerous Drugs Act. The notice referred to appeared in the "London Gazette" on January 7, so that forty days will expire on February 16; but this does not necessarily mean that the Regulations will be issued forthwith, or that they will become law on that date. Section 11 of the Dangerous Drugs Act states:

Every regulation made under this Act shall be laid before each House of Parliament forthwith, and, if an address is presented to His Majesty within twenty-one days on which that House has sat next after any such regulation is laid before it, praying that the regulation may be annulled, His Majesty in Council may annul the regulation, and it shall henceforth be void, but without prejudice to the validity of anything previously done thereunder.

The Home Office officials, if they are wise, will call together medical and pharmaceutical experts and devise Regulations more in accordance with the expressed terms of the International Opium Convention. The Home Office should also bear in mind that the functions of Government Departments are to administer the law, not to usurp the legislative functions of Parliament. It is unusual for steps to be taken to annul Regulations such as are outlined above, but with recalcitrant officials, steeped in wartime insolence of office, this may be necessary. It is quite obvious that the expression "unless existing measures have already regulated the matter" in Article 10 of the International Opium Convention refers to countries such as India and China, where there are no Poisons Acts, and not to Great Britain, where there has been regulation of the sale of poisons for over fifty years, with restrictions steadily increasing in severity governing the sale of cocaine and opium. The full text of the Convention referred to was exclusively printed in the *C. & D.* early in 1912, but is obtainable now in the ordinary way from the Stationery Office. What the Draft Regulations mean in clerical work, expense, and inconvenience to all doctors, chemists, and users of opium preparations can only be dimly visualised. Recent statistics of the frequency with which the drugs covered by the Dangerous Drugs Act are prescribed are not available. We may, however, recall that in 1886 the *C. & D.* published an analysis of 10,000 prescriptions dispensed in various parts of Great Britain in that year. The list of drugs prescribed included opium and morphine and sixty-two preparations containing these drugs in various forms, which occurred altogether 1,563 times in the 10,000 prescriptions. Cocaine and its preparations occurred thirty-seven times. In 1894 Mr. W. Martindale published an analysis of 12,000 prescriptions, and his results show that opium and morphine and its preparations were prescribed 1,392 times, and cocaine and its preparations 373 times. The therapeutic value of the last-named drugs had by then become established.

The General Medical Council, in compiling statistics dealing with the frequency or infrequency with which medicines were prescribed in the United Kingdom in connection with the compilation of the British Pharmacopoeia, published the result of an inquiry in 1903. This did not deal with official preparations of opium and cocaine, but heroin, a comparatively recent introduction at that time, is given as having been prescribed over five hundred times in 48,000 prescriptions. Since the above statistics were compiled the National Insurance Act has become law, and we are probably well within the mark in stating that, for every one prescription dispensed by chemists before 1911, 100 are now dispensed. Consider what the numerous details, which will have to be observed by the doctor in writing each one of the thousands of prescriptions, involve. These conditions are onerous enough, but will be child's play compared with the clerical work of copying—possibly four or five times—and labelling which will devolve on the chemist. A omission of any one of the multitudinous details will involve liability

to fine not exceeding two hundred pounds, or to imprisonment with or without hard labour for a term not exceeding six months, or to both such fine and imprisonment, and in the case of a second or subsequent conviction to a fine not exceeding five hundred pounds, or to imprisonment without hard labour for a term not exceeding two years, or to both such fine and imprisonment, and the Court dealing with the case may, in addition to any other punishment, order the goods in respect of which the offence was committed to be forfeited.

It will be remembered that there is, in addition, a very wide use for laudanum, gall and opium ointment, etc., as domestic remedies, equal, we should think, in amount to those ordered in prescriptions. It is, however, hardly necessary at this stage to labour these points, as we think the drug-trade is now sufficiently seized with the seriousness of the menace of the Draft Regulations. An additional suggestion we have to make is that chemists who have agricultural customers should explain to them that, if the Regulations become law, supplies of laudanum—used in large quantities on every farm—will only be obtainable on a doctor's prescription. These customers should be asked to write to the agricultural societies to which they belong, and also to the Home Secretary protesting against the unnecessarily restrictive character of the Regulations. Useful arguments against the Regulations will be found in the various communications published in this issue from the Pharmaceutical Society of Great Britain, the Pharmaceutical Society of Ireland, and the Scottish Pharmaceutical Federation.

The Slump in Turpentine.

The position of turpentine has excited no little attention lately on the part of dealers and consumers, having regard to the gloomy aspect of the market. Vain attempts were made with the turn of the year to maintain the price at what was considered an artificial level; but it is obvious that the liquidation which has confronted the market for some time past has to run its course before a revival of confidence is possible. At any rate, there has not been any convincing evidence of acute weakness in American spirit, prices having dropped to about 80s. in all positions. As compared with the corresponding period of last year, this figure, so far as spot delivery is concerned, shows a depreciation of 115s. per cwt. The current nominal rate is still about 10s. above the highest ever recorded in previous times, and the weakness seems by no means at an end. There is, indeed, intense uneasiness that the adjustment

of the considerable old speculative commitments yet open may lead to another collapse. No little irritation has been aroused by the fact that even a few weeks before prices were actually lowered, sales were made quietly in various directions at around 85s. The feeling among those consumers who were induced to take parcels at something approaching official quotations, whereas underselling was going on persistently over a certain period at 10s. to 15s. below these, can readily be imagined. This underselling was apparently not merely confined to the London market, but to the chief northern markets as well. From the highest seen in the past year to date, the spot price has declined to the extent of no less than 132s. per cwt. Such an enormous range in values in less than a year has, of course, never before been seen in the history of turpentine. Throughout the first half of 1920 the market was chiefly dominated by an acute scarcity, but with the ample supplies which followed later in the year, the shortage was fully made up, so that with a rapid contraction in general trade requirements, prices have crumbled rather sensationally. There has been a very large increase in the London stocks in recent months, up to about 47,000 barrels. The figures below are worth noting:

		Tons	£
Total imports into U.K. in 1913	...	28,016	valued at 768,800
" " 1919	...	22,792	" 1,940,001
" " 1920	...	22,559	" 3,219,000

It will be seen that while our imports of turpentine during the past year were much about the same as 1919, their value represents according to the official returns an excess of over 1½ millions sterling against 1919, at 3,219,000/. This gives an idea of the severely inflated prices which were paid by importers, especially in the first half of 1920, when the London spot price was forced up to well above 210s. per cwt. Obviously a certain allowance must be made for the difference in value arising from the abnormally low dollar rate of sterling down to about \$3.20, which rate was touched when the position on this side was particularly stringent, owing to the small imports and consequently low stocks over the end of the previous season. That the most was made of such stocks amidst the highly excited speculation and manipulation which went on during that period goes without saying. American "insiders" were most aggressive in their views, which were based on a virtual exhaustion of first-hand stocks and on the rather plausible argument that the industry had suffered very severely under the official control during the war, and the serious inflation of working costs. Admittedly, with plenty of industrial activity in the United States during the first half of 1920, the domestic outlet was particularly good, while a ready export demand awaited the flow of new crop spirit. After fluctuating a good deal in the early months at around 200s., the London price for spot delivery, which then commanded a huge premium, jumped towards mid-April to 212s., when widely divergent terms were current for forward positions, with May-August standing at about 175s., and July-December at 140s. The trend of prices was thus fully indicative of what the market expected in regard to the considerably increased yield of this season's crop. The movement of supplies of new-crop spirit to this side having proved unusually belated, which was generally attributed to delayed operations on account of adverse weather conditions, the preposterously high premium on spot or early deliveries was maintained longer than usually is the case in normal seasons. The European stocks practically everywhere had become exhausted,

so that no great relief was experienced until towards midsummer, when, in addition to the steadily-increasing receipts from the Atlantic seaboard, quite large supplies were marketed on this side by French producers. We referred, in our editorial columns of September 11, to the part played by French supplies in competition with American spirit, while the French crop yield showed a very considerable increase. Of course the attractive prices that were obtainable were a strong incentive for the pushing of crop operations across the Channel. About midsummer there was a collapse in this market to 150s. for spot spirit, but the facts that American supplies were coming along at a very disappointing rate, and that stocks remained very low for some considerable time, greatly facilitated manipulation in July, when home consumers found no little difficulty in securing supplies at prices ranging up to about 185s. The total imports for the seven months to the end of July were abnormally short at 8,574 tons, or a little more than one-half those for the corresponding period of 1919, and this sufficiently explains the circumstances under which the July squeeze was engineered. Very irregular and erratic conditions prevailed late in September, when the steady ease noticeable in near-at-hand spirit became counteracted by a more vigorous forward speculative demand. Contracts were then booked for January-April at around 140s., and the fact deserves notice that these contracts are now maturing in a demoralised market with prices nominally quoted at about 80s. in all positions. There is naturally some tension in regard to the settlement of such contracts, seeing what has happened in the last few weeks. It would appear, indeed, that the market was systematically quoted at 100s. during the greater part of January, whereas some eager selling was done privately in various directions at a very considerable discount on this price, until the official quotations were actually dropped first to 85s. and then to 80s. This obviously fully emphasises the fact that a most unhealthy state of affairs exists, and that the worst of the tribulations has yet to be seen. So far the straightening-out of old engagements has been accomplished with no great discomfort, only one important voluntary liquidation having yet been announced, but the persistent absence of new speculation and the pronounced lack of trade demand tends to aggravate the feeling of unrest. When the March contracts begin to be adjusted it is to be feared that the market will undergo a still severer test. With money very tight the financing of large stocks acquired at extremely high prices naturally becomes a more difficult matter. The position in the United States was very badly shaken by the industrial and financial crisis, and, in sharp contrast to the dearth of stock which existed there at this time last year, there is no doubt that producers and dealers are now nursing a considerable accumulation of supplies. American consumption has probably been largely reduced, and trade prospects on this side being anything but promising for the near future, it is difficult to imagine that any notable revival of activity among consumers can take place for some time yet, and developments over the remainder of this season are hardly likely to facilitate the liquidation of surplus stocks. Therefore the squeezing tactics which are usually attempted at this time of year or prior to the advent of new crop supplies are not likely to be repeated this season. Within the next few months it is just possible that some little premium may be established for distant delivery in the event of a further fall calculated to discourage new crop operations. Market developments for some time to come, and so long as a large excess of sup-

plies exists, chiefly depend on the world's industrial prospects, while the after-effects of excessive speculation or of the severe financial losses, which are now being faced on both sides of the Atlantic, will be felt for some time yet.

The Fine-Chemical Industry.

THE reference to Mr. Hill's paper on the manufacture of fine chemicals in the *C. & D.*, January 29, p. 66, was rendered ambiguous owing to an accident during the time the page was passing through the press. The following is how the reference should have read: As regards the manufacture of fine chemicals in this country it is interesting to note that Mr. Chas. A. Hill, Ph.C.B.Sc., recently dealt with the position in the "Journal of the Society of Chemical Industry" (vol. xxxix No. 24). He stated that in spite of many adverse conditions the new industry was on the high road to success until the Sankey judgment completely changed the situation and brought about the present *impasse*. Mr. Hill emphasises the importance of Britain having a fine chemical industry of its own, and the following statement, which seems to give the essence of the matter could not be more admirably expressed: "It is, indeed, a very short-sighted policy which seeks to gain a small, problematical, and temporary reduction in the cost of certain number of medicinal substances at the expense of losing an industry already half-established, and which if fully developed, would make the nation permanent self-supporting in the production of curative agents." Mr. Hill relates concisely what was done by British chemical-makers during the war, instancing the successful and systematic manufacture of research chemicals, photographic chemicals, and medicinal synthetic products etc. All this is now in jeopardy for reasons which need no reiteration. British makers are, however, looking forward to the promised legislation, in regard to which considerable opposition is likely to be aroused from the merchandising interests.

French Perfume Industry.

IN a recent issue "Le Littoral," of Cannes, utters a cry of alarm at the possibilities which the enormous increase in the cost of flowers, and particularly of jasmine, used in the manufacture of perfume may bring in its train. The article points out that the inflated prices now asked by the growers and collectors of these flowers in the South of France will of necessity raise the question of undertaking their cultivation under the most favourable conditions, in order to meet competition, and the Germans may be trusted to make the most of the opportunities to compete with French products. It would not be on the foggy banks of the Spree that the factories will be erected, but there are many countries bathed in the waters of the Mediterranean which are climatically more favoured than the Riviera, and there the native population would welcome any undertaking, such as the cultivation of perfume-bearing flowers and the installation of distilleries of essential oils, which would mean additional revenue and greater prosperity, all the more since both would be unexpected benefits. The Germans are by no means ignorant of the fact that their advantage under such conditions would be welcomed with open arms and therefore it behoves those interested in this branch of the French Riviera to consider seriously the position as it affects the prosperity of a flourishing local enterprise.

TUNISIAN OLIVE OIL.—The "Journal Officiel Tunisie," for December 22, contains a Beylical Decree of the same date, which lays down conditions for the sale and export of olive oil from Tunis. *Inter alia*, the decree provides for the transportation to France of edible olive oil exceeding the quantity required for local consumption, upon payment of an export duty of 100 fr. per 100 kilos., and for the exportation of certain quantities of oil by parcel post to any country upon payment of a special tax of 8.50 fr. per package of 10 kilos., or of 4.25 fr. per package of 5 kilos., in addition to the duty mentioned above.

Pharmaceutical Society of Great Britain.

Council-meeting.

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on February 2. All the members were present with the exception of Mr. J. R. Young, and the chair was occupied by the President (Mr. E. T. Neathercoat). The minutes of the meeting held on January 4 and 5 had apparently been confirmed at a private meeting held the previous evening. It was stated by the President that no questions had been received.

GREETINGS FROM WESTERN AUSTRALIA.

The PRESIDENT intimated receipt of greetings for 1921 from the Pharmaceutical Council and Society of Western Australia. He expressed the pleasure of the Council, and suggested that a letter be forwarded to the Society of Western Australia thanking them and reciprocating their wishes. (Hear, hear.)

THE LATE PROFESSOR E. E. BOURQUELOT.

The PRESIDENT stated that intimation had been received of the death of Professor Elie Emile Bourquelot, Paris, who was elected an honorary member of the Society in 1904. He was sure the members of the Council would have a communication to be sent to the representatives of the Professor conveying regret at his death and condolence with them.

ELECTIONS AND RESTORATIONS.

It was announced that 166 persons had been elected members of the Society, and ninety-eight as student-associates; two persons were restored to the Register, and twenty-one to the Society. The Registrar reported that there had been ninety-one registrations of apprentices as students since last meeting.

MR. J. R. YOUNG.

The PRESIDENT stated that he had received a letter from Mr. J. R. Young to the effect that he was much better in health, but had decided not to attend that meeting, although he hoped to attend the next one. He (the President) was sure that it was the desire of members that a letter be forwarded expressing cordial wishes for his speedy return.

RETIRING MEMBERS.

It was reported that the following members of the Council retire in May next pursuant to statute:

Douglas Buchanan, Miss M. E.	Keall, J.
Hampton, A. S.	Neathercoat, E. T.
Thurrie, T.	Sargeant, F. P.
	Wolff, H.

REGISTRAR'S REPORT.

The registrar submitted his report for the year 1920. The following abstract embodies the chief features: The subscribers to the Society are 1,072 life members, against 927 in 1919; 9,731 annual subscribers, against 9,011; and 3,533 student-associates, against 2,515. The number of apprentices or students registered is 2,033 (4,389 in 1919). An analysis of the examinations in London for the year shows the following: For 39 candidates, of whom 17 were successful (in 1919 the respective numbers were 16 and 7); Qualifying, 210, of whom 870 passed (in 1919 the corresponding numbers were 567 and 270). In Edinburgh there were 5 candidates for the Major, of whom 3 were successful (in 1919 there was only one candidate, an unsuccessful one); for the Qualifying, 897 candidates, of whom 433 passed (in 1919 the numbers were 186 and 99 respectively). The number of pharmaceutical chemists on the Registers on December 31, 1920, was 1,875, and of chemists and druggists 15,736, a total of 17,611. (In 1919 the respective numbers were 1,904, 14,731, and 15,635.) The Registrar of superintendents of bodies corporate in Great Britain, and of firms or partnerships in Scotland, contains 758 names (722 in 1919). Six hundred and seventy-

four cases of alleged infringement of the Pharmacy Acts were investigated (857 in 1919), and in 157 cases (141 in 1919) proceedings were instituted. The number of shops investigated with a view to ascertaining whether a certificate of qualification was exhibited was 1,846 (2,225 in 1919).

The PRESIDENT remarked that the Council would observe that in 1920 there had been an increase of 976 in the number of members on the Register. The figure seemed rather large for one particular year, and with the registrar he had looked into that for each year from 1909 to 1914 inclusive. It would be interesting to members to note that for the six years prior to the outbreak of the war there had been an average increase of 110. Taking the next six years—including the war years and 1920—including the large increase for last year to which he had already referred—the average increase was 163.

Mr. SKINNER asked what drop had taken place during the war years, and what decrease there was in each of them for which the great increase in 1920 compensated.

The PRESIDENT replied that in 1915 there was an increase of 169, in 1916 there was one of 59, in 1917 there was a decrease of 168, in 1918 there was a decrease of 130, in 1919 there was an increase of 75, and in 1920 one of 976—giving an average increase of 163 for each one of the years his statement covered.

Mr. MELHUSH attributed the decreases in the years mentioned to deaths having taken place without the replacements common to normal years.

CORRESPONDENCE.

The secretary read a letter from the Ealing and District Pharmacists' Association, dated January 12, asking if the Council were taking any steps to secure a proper representation of pharmacists in the preparation of the future issue of the British Pharmacopoeia. It was decided that this letter should be sent to the House Committee.

THE PRELIMINARY EXAMINATION STANDARD.

A letter was read from the Advisory Committee of the Cardiff School of Pharmacy relative to the Technical College preliminary examinations of apprentices. It stated that, while the education of some of the students who entered for the Preliminary examinations was of a high standard, that of many was of a very poor order. The letter expressed the opinion that the educational standard to be attained by those entering for future Preliminary examinations of the Society should be raised to that required in the medical and dental professions.

Mr. HAGON stated that at the meeting of the committee referred to in the letter the view expressed was that the standard of education possessed by the students at the Cardiff College was of such a low character as to militate very much against their success in the Qualifying examination. As a matter of fact, a special class had to be taken in order to instruct many of the men. It was admitted that during the difficult times through which the country had passed the men who came forward for the Preliminary examination were probably not of the same class as those who entered in ordinary years; but it was hoped that things would improve from the standpoint indicated by the letter. The question, he considered, was one which should engage the attention of the conference of the principals of schools of pharmacy which was to be called at the instance of the Council.

The PRESIDENT agreed with the suggestion of Mr. Hagon, and remarked that in the meantime the letter might be sent to the School Committee to deal with.

Mr. WHITE saw no reason why the communication should not be disposed of at once by a reply being sent to the effect that the low standard of education arose from special difficulties, and that the Council was quite prepared to take up the matter and do whatever was possible to improve the standard. All of the members of the Council felt that, in giving the concessions they did, they were not doing much good to many of the men demobilised, because they knew that many of them would not have sufficient education on which to build and train for the Qualifying examinations. Those anticipations or fears had been supported by subsequent experience.

The SECRETARY mentioned that one point raised by the letter was whether the Council were prepared to raise their standard of education to that required of medical and dental students.

Mr. WHITE replied that an answer should be given to the effect that the whole thing is under consideration.

Mr. PARRY submitted that the standard of the Pharmaceutical Society is already on a level with that of the medical and dental professions. If, he added, the education of those who had entered for the Preliminary examinations was as low as had been described, it was mainly owing to concessions similar to those granted to medical and dental students.

The PRESIDENT thought that, dealing as they were with ex-Service students, it had to be remembered that special circumstances obtained during the past two years, which had had the tendency to lower the standard.

Mr. PARRY insisted that his point was that the standard of education required by the Society was not lower than that required in the medical and dental professions. "I happen to know cases of students whom we have turned down and who have been accepted by the medical profession," he added.

Mr. HAGON: That is not quite accurate. Our standard is not equal to that of the medical profession.

The PRESIDENT: The points are not exactly the same.

It was agreed that the letter should be replied to in the terms suggested by Mr. White.

FINANCE COMMITTEE.

The monthly financial statement is summarised as follows: Receipts since last meeting, including a balance of 2,103*l.* 5*s.* 8*d.* brought forward, amounted to 5,223*l.* 2*s.* 2*d.*, comprising the following items: Ground rent, 96*l.* 5*s.*; registration-fees, 197*l.* 8*s.*; penalties and costs, 54*l.* 13*s.*; subscriptions, 2,765*l.* 3*s.* 6*d.*; examination-fees, 6*l.* 7*s.* From this total were deducted payments ordered at the last meeting amounting to 4,226*l.* 17*s.* 11*d.*, leaving a balance of 996*l.* 4*s.* 3*d.* The other balances were: Benevolent Fund (current account), 1,484*l.* 16*s.* 6*d.*; Benevolent Fund (donation account), 670*l.* 4*s.* 3*d.*; War Auxiliary Benevolent Fund, 887*l.* 18*s.* 3*d.*; Orphan Fund, 373*l.* 9*s.* 8*d.* The report recommended that accounts amounting to 4,947*l.* 1*s.* 10*d.* be paid, and that the action of the secretary in making payments on account of current expenses, amounting to 870*l.* 11*s.* 10*d.*, be approved. The report and recommendations were adopted without comment.

The treasurer intimated that, in accordance with his promise at the last meeting, he had a statement to make regarding the budget of income and expenditure for the ensuing year. It was agreed that this should be taken in committee.

LOCAL ASSOCIATIONS EXECUTIVE.

One of the items on the agenda was the submission and consideration of the report of the Local Associations Executive; but no such document was submitted while representatives of the Press were present.

BENEVOLENT FUND.

The report of this Committee gave details of applications that had been made for assistance, and recommended payment of seven grants, varying in amounts from 5*l.* to 26*l.* It was recommended that a grant of 30*l.* be made to the secretary's casual fund.

Miss BUCHANAN, in moving the adoption of the report, stated that the Cardiff Pharmacists' Association had started a scheme by which its members each contributed a shilling a week to the Fund. As a result of this, she had received from the secretary of that body (Mr. Jenkins) a cheque for 37*l.* 15*s.* 11*d.* The scheme was one which she commended to the notice of other associations throughout the country. Several special contributions had been received, including the following: Mr. J. G. B. Noble, Goswell Road, London, E.C. (collecting-box), 7*l.* 10*s.*; Oldham and District Pharmacists' Association (collecting-box), 10*l.* 2*s.*; Williams & Elvey, London, W. (collecting-box), 14*s.* 2*d.*; Dorset County Pharmacists' Association, 6*l.* 6*s.*; Mr. E. J. Raynor, Leyton (collecting-box), 7*s.* 8*d.*; Dewsbury Chemists' Association (whist-drive), 7*l.* 11*s.* 2*d.*; Mr.

F. P. Watson, Lincoln (weighing-machine), 14*s.* 6*d.*; Mr. T. W. Lowther, Birmingham (weighing-machine), 12*s.* 6*d.* Public Pharmacists' Association (collecting-box) 17*l.* 11*s.* 10*d.* It was very encouraging, Miss Buchanan added, that there had been such a demand made for collecting-boxes. With reference to the special effort that was being made by women pharmacists, and the wives, relatives, and friends of pharmacists, a meeting of the Committee would be held the following afternoon to consider the arrangements for the sale of work to be held in connection with the forthcoming Chemists' Exhibition. Ladies up and down the country were now at work, and in London a committee of ladies, under the chairmanship of Mrs. Skinner, were doing their utmost to make the sale of work a success. One could only hope that after the ladies had done their little portion the men would, in their turn, come forward, and either buy themselves or send things to be sold, and, perhaps, having bought things, hand them back to be re-sold. (Applause.)

WAR AUXILIARY BENEVOLENT FUND.

The report of this Committee made recommendations for the payment of two grants—one of 11*l.* 11*s.*, and the other of 15*l.* The report was adopted.

LIBRARY COMMITTEE.

The report of the Library Committee stated that it had been decided to appoint Mr. Wallis as lecturer in botany in the School of Pharmacy as from October last. The Committee approved of the recognition of the Central Technical Schools, Truro, for the botany course. It was decided that arrangements be made for the holding of an annual dinner in May next, to be restricted to members of the Society and such guests as the Council may deem it advisable to be invited. It was agreed that the offer of specimens of liquors and glycerin in various stages, which had been used to illustrate an article on glycerin manufacture, be accepted, and that the donor be thanked for his presentation.

REPORT ON EXAMINATIONS.

The report on the examinations of January 1921 showed that in England and Wales 399 candidates were examined for the Qualifying examination, of whom eighty-six passed Part I. and 162 Parts I. and II. In Scotland 12 were examined, thirty-two passing Part I. and fifty-six Parts I. and II.

DANGEROUS DRUGS ACT.

The PRESIDENT intimated that the report of the Committee regarding the Dangerous Drugs Act was received by the Council at a meeting held the previous evening, when a certain course of action was decided upon, intimation of which, together with the report itself, would be given to representatives of the Press later in the day (see p. 55).

This was all the public business. The whole of it was transacted in about twenty minutes.

North British Executive.

A MEETING of the Executive of the North British branch was held at 36 York Place, Edinburgh, on January 2. Mr. James Jack in the chair. There were present Messrs. Arthur, A. Currie, Fisher, Forbes, Gilmon Glass, Guthrie, Jack, Kitchin, McEwan, Mackenzie McLaren, McMillan, McNab, McVittae, Meldrum, and Murray.

DANGEROUS DRUGS ACT, 1920.

The CHAIRMAN said it was the Draft Regulations issued pursuant to the Act rather than the Dangerous Drugs Act itself that chiefly called for their attention. The main purpose of the meeting was to consider these Draft Regulations in so far as they affected the business of a chemist and druggist in the retailing, dispensing, and compounding of medicines.

The RESIDENT SECRETARY indicated that at the Executive meeting in June 1920, while the Dangerous Drugs Bill was still before the House of Commons, all the points now emerging had been dealt with, and a recommendation

forwarded to the Council with a view of securing amendments of the Bill at the Committee stage. At the October meeting of the Executive, after the passing of the Act, it was gone into fully and a memorandum framed and transmitted to the Council in anticipation of the issuing of Regulations under the Act. A reply was received from the Council that these points would have careful consideration when the question of framing Regulations arose. It appeared that although an advance copy of the Draft Regulations had been supplied to the Society, the Council had never been consulted, as might reasonably have been expected, in the drafting of Regulations. The Regulations, continued Mr. Hill, apparently went beyond the unanimous considered opinion of the International delegates at The Hague Convention in 1912. The British delegates to that Convention summarised Article 10 (c) of the Convention as follows:

To require from all persons engaged in manufacture, importation, sale, distribution, or export a quantitative record of their transactions, provided that such records need not be required in the case of deliveries consequent on medical prescription, or of sales by duly authorised pharmacists.

This clearly indicated the exclusion from the restrictions in this respect which are imposed by the Draft Regulations, of the supplying of these substances by medical prescription as well as the supplying of these substances in the ordinary retailing of medicinal remedies by duly qualified pharmacists without medical prescription.

The stringency of the Pharmacy Acts under which the drugs in question may be distributed to the general community has quite recently been increased expressly to meet the conditions of The Hague International Opium Convention and the relative requirements under the Treaty of Peace of June 28, 1919. The importation of these drugs and the wholesale production, dealing in, and distribution of them was a distinct department by itself, and such wholesale production, dealing in, and distribution of poisons was a department in which there might be necessity for legislative control in a manner not dealt with in the existing Pharmacy Acts. But the supplying of such drugs retail to consumers in the general population was a distinct department in which adequate safeguards were provided by the wise application of the provisions of the Pharmacy Acts, which were specially designed to deal with the legitimate medical uses of drugs either by prescription or in the ordinary business of a pharmacist in the supplying of medicinal remedies, as clearly recognised in The Hague International Opium Convention. It was this crucial question of the retailing, dispensing, and compounding of poisons as the statutory duty of duly qualified pharmacists that required to be considered and provided for at the present juncture. With this end in view their chief aim was to secure a stay of proceedings and a reasonable opportunity for conference in order to frame sensible, practical Regulations which would be likely to be acted upon and carried out without unduly interfering with the civil liberties of the people in the obtaining of legitimate remedies or the just rights and privileges of practising pharmacists in meeting the requirements of the community for all medical and legitimate purposes. As pharmacists they particularly objected to the doctrine that production of what purports to be a medical prescription is a good basis for public security. In their opinion it was the very reverse, as well as being totally impracticable.

A full discussion ensued, after which the following resolutions were unanimously adopted:

1. That the need for adequate Regulations as to dangerous drugs is recognised, but so far as these may require extension or modification, that should be done under the existing provisions of the Poisons and Pharmacy Acts so far as such regulations affect the practice of the profession or employment of a duly qualified pharmacist, or persons, firms, or bodies corporate lawfully entitled to carry on the business of a chemist and druggist in the retailing, dispensing, or compounding of poisons.
2. That the Executive protests against the Draft Regulations under the Dangerous Drugs Act, 1920, being proceeded with further until the whole situation has been thoroughly considered by the Government Department in consultation with the Pharmaceutical Society of Great Britain, which is

the acknowledged statutory expert in all matters of this kind.

3. That these Draft Regulations are an intolerable interference with the reasonable liberties of the people, and involve needless and harassing details leading to unjustifiable expenditure.

4. That these Regulations erroneously put emphasis on mere mechanical restrictions and records and regulations and medical prescriptions, totally ignoring the fact that the only real protection for the community in the handling and distribution of potent drugs is the training and experience and skill and knowledge and sense of responsibility of the duly qualified pharmacist or dispensing chemist.

5. That the Executive of the North British Branch of the Pharmaceutical Society should take what steps may be necessary to secure the withdrawal of these Draft Regulations or their rejection by the Houses of Parliament.

After full consideration of the best means for immediately bringing to bear on the Government Department and on the Houses of Parliament, as well as the general community, the full united influence of Scottish pharmacists in support of the policy of the Society, the following resolution was adopted:

That a Propaganda Committee be appointed consisting of the chairman (James Jack), the vice-chairman (G. S. Kitchen), H. P. Arthur, J. J. Forbes, and J. B. McVittae, and that such Committee be authorised to take all necessary steps to carry out the policy agreed upon by the Executive.

This concluded the public business.

British Chemical Trade Association.

In the Bulletin of the British Chemical Trade Association dated February 1 the following are among the subjects dealt with:

At a meeting of the General Committee, held on January 28, the President (Mr. Wm. Mann) was unanimously elected to represent the Association on the Council of the London Chamber of Commerce.

Dyestuff (Import Regulation) Act, 1920.

The Association's efforts on behalf of the trade are being continued, and it is hoped to obtain further concessions, particulars of which will be published in due course. A number of complaints and queries from members have already been dealt with, our efforts meeting with very satisfactory results. We shall be pleased to reply to queries as to whether specified chemicals come under the Act or not. Information of a reliable nature is at the Association's disposal.

Tenders for Government Contracts.

The Association has been favoured with a communication from the Army Contracts Department, War Office, containing an invitation to furnish them with a list of members, specifying against each firm named the chemical products, etc., they are in a position and desire to be given the opportunity of tendering for in connection with future Government contracts. Similar arrangements are also being entered into with the Admiralty and Office of Works. Will those members who desire to have their names entered on the lists of these Government Departments kindly advise the secretary and, at the same time, attach a list of the products as required by the Departments. Members are assured that in this, as in all other matters, the information they submit will be treated as confidential.

Removal of all Restrictions on the Export of Dyestuffs.

From February 1 the restrictions on the export to all destinations, except Bolshevik Russia, will be removed for the following: Coal tar, all products obtainable therefrom and derivatives thereof, whether actually so obtained or derived from other sources (including all mixtures and preparations containing such products or derivatives), suitable for use in the manufacture of dyes or explosives. Dyes, and dyestuffs manufactured from coal-tar products, and articles containing such dyes and dyestuffs. Synthetic indigo.

Associations' Winter Session.

Assistants' Unions.—The Retail Section of the National Drug and Chemical Union held their annual general meeting on January 23. The report was read by the secretary, Miss Bridges. It was unanimously agreed to form a relief fund for cases of distress arising from unemployment among members of the retail drug-trade in the London district. Assistance will not be restricted to members of the Union. An appeal is to be made for voluntary subscriptions.

Belfast.—A meeting of the Committee of the Chemists' and Druggists' Society of Ireland was held on January 27 in the offices, Waring Street, Belfast, the President (Mr. F. T. Storey) in the chair. There were also present Messrs. W. E. Wilson, W. Martin, S. Gibson (hon. treasurer), J. Guthrie, J. Frackleton, J. Macauley, G. Johnston, S. Suffern, J. Moffett, C. Abernethy, and W. J. Rankin. A letter was read from Mr. S. Nevin resigning the position of hon. secretary on account of illness. The resignation was accepted with regret. A resolution of thanks to Mr. Nevin for his services as hon. secretary during the last six years was passed. Mr. Wilson and Mr. Rankin agreed to act temporarily as hon. secretaries. It was decided to hold the annual business meeting on February 3. Four new members were elected. A circular was directed to be issued regarding the Dangerous Drugs Act, and it was decided to place the views of the Society before the Home Secretary and to interview local members of Parliament on the subject. Mr. Storey was unanimously nominated for another year of office as President. The Committee agreed that the annual subscription for 1921 should be increased, and a circular was directed to be issued to each member regarding the changes. The Ulster Retail Drug Trade Association held a committee meeting in the Chemists' and Druggists' Rooms, 11 Waring Street, on January 31, to consider the Draft Regulations of the Dangerous Drugs Act. Mr. S. Suffern (President) occupied the chair; other members present were Messrs. H. G. Pring, J. A. Bingham, W. E. Wilson, A. Abernethy, F. Storey, W. J. Hardy, J. Dundee, J. C. Culbert, J. Moffat, R. McKnight, Wm. Macartney, R. Kells, R. L. Edwards, and the secretary (W. J. Stevenson). The President outlined the Regulations, and afterwards several members expressed their views on the subject, all agreeing that this legislation will be detrimental to the best interests of Ireland. A telegram was sent to Sir William Glyn-Jones urging a deputation to the Home Secretary and offering the co-operation of the Association. A sub-committee, consisting of Mr. Pring, Mr. Culbert, Mr. Suffern, and Mr. Hardy, was appointed to draw up a protest, interview local members of Parliament, and enlist the co-operation of the Farmers' Union, and to give as much publicity as possible in the local Press.

Cardiff.—The annual meeting of the Cardiff Pharmacists' Association was held on January 27, the President (Mr. Owen Jenkins) in the chair. There was an excellent attendance of members. The Dangerous Drugs Act Regulations came up for discussion, and ultimately it was resolved that the secretary circularise the members of the Association, impressing upon them the necessity of sending a protest to the Home Secretary. The question of organising a boycott on unprofitable proprietary medicines was then introduced, and a letter was read from the Swansea Association, asking that this matter be taken up seriously in combination with other Associations in South Wales and the Federation. This resulted in a discussion, the meeting being unanimous that some step be taken on the lines suggested. It was decided that letters be sent to several firms whose articles did not yield at least 25 per cent. profit on turnover to the retailer. It was further suggested that a letter be sent to F. Newbery & Sons, Ltd., asking them to have the retail price of Cuticura preparations marked in plain figures on each package, as cases of varying prices being obtained in different localities were mentioned. The probable increase in telephone rates and charges was then considered,

and it was resolved that a letter of protest be sent to the Postmaster-General. A satisfactory annual report was presented by the secretary, and the financial position showed a balance in hand of 317. The report was adopted. The nomination of delegates to the Cardiff Chamber of Trade was deferred until the next meeting. The President introduced Mr. D. Brims as the new President, and recapitulated some of the work he had rendered to the Association during his fifteen-years' membership. Mr. D. Brims, on taking the chair, thanked the members for electing him to this position. He had chosen as the subject of his presidential address *The Value of Combination with the Newly Formed Retail Pharmacists' Union*. He advocated a closer relationship to, and membership with, the R.P.U., a Union which will be likely to prove of immense value to every chemist. Chemists had suffered in the past from the spasmodic methods of the Pharmaceutical Society. In bygone days we have not to any great degree influenced legislation, consequently our position has been materially weakened. He gave as examples: Agricultural and horticultural poisons law; bartering the title "chemists"; the by-law; Venereal Disease Act; new poison schedule. Chemists need an organisation that will be continually on the alert. He then outlined the aims of the R.P.U. With regard to the future, it looks as if Dr. Addison is out for a "State Service," or for entrenching more securely the medical profession. Chemists should be in a position to say that they are not to be hampered in the discharge of legitimate business, that of retailing and dispensing medicines in their own pharmacies—a position that would meet with the unqualified approval of the public, and especially in view of the recent notorious case in West Wales. Chemists should, by mutual co-operation, so influence the authorities that no step will be taken by them which concerns the profession of pharmacy before consultation with the trade, and this can be done more effectively through the R.P.U. In proposing a vote of thanks to the President, Mr. Owen Jenkins hoped that all the pharmacists would give their support to the R.P.U., and Mr. Leo Joseph spoke in similar vein. A letter was read from Mr. Mallinson asking that arrangements be made for a district meeting of pharmacists to be held in Cardiff as soon as convenient. This matter was left in the hands of Mr. L. Joseph and the secretary. Votes of thanks were passed to the retiring officers. The secretary of the Association is Mr. Sydney H. Willis, The Broadway Pharmacy, Cardiff.

Chester.—The annual meeting of the Chester Pharmacists' Association took place on January 27, Mr. David Dickinson (President) in the chair. The Dangerous Drugs Act Regulations met with severe criticism, and it was agreed to send a protest to the Secretary of State detailing the points of objection. The hon. secretary (Mr. D. T. Dickinson) urged upon the Association the claims of the Retail Pharmacists' Union, and it was believed that the number joining would entitle the Association to form a separate branch. Mr. D. T. Dickinson, as treasurer, presented his report and balance-sheet. This showed a credit balance of 57. 18s. 8d. Mr. John Simon opened the "Benevolent Box," which will augment the individual subscriptions by 27. 10s. The election of officers resulted as follows: *President*, Mr. Thomas Carter; *Vice-President*, Mr. R. Randall Roberts; *Hon. Secretary and Treasurer*, Mr. D. T. Dickinson; *Solicitor*, Mr. David Hughes. It was decided to record the thanks of the Association to the late President for his three years' services as chairman. A vote of thanks was accorded to Messrs. Cheers and Hopley for providing a room free for the Association's use.

Chesterfield.—Mr. E. G. Holmes (Clay Cross) presided over a meeting of the Chesterfield Pharmacists' Association, on February 1, when the following resolution was unanimously passed: "That all members of this Association join the Retail Pharmacists' Union, and that a local branch be formed." So soon as the hon. secretary (Mr. S. C. Greaves) has been advised that all members have joined the Union, application will be made to the Executive Committee for permission to form a local branch to cover North-East Derbyshire.

Chichester.—The West Sussex Pharmacists' Association held their annual meeting recently. Mr. Frost (Worthing) was re-elected *Chairman*, Mr. Hilton (Bognor) *Treasurer* and Mr. Bastow (Chichester) *Secretary*. A protest was made against the inadequate profit allowed on many proprietary preparations, and it was suggested that certain of them should not be stocked. Objection was also raised against clauses of the Dangerous Drugs Act Regulations.

Dublin.—The Dublin and Provincial Retail Drug Association held a committee meeting on January 26, Mr. A. Owen Wells (President) in the chair. The following were also present: Messrs. R. White, G. A. McLean Lee, A. H. Oliphant, D. M. Watson, Geo. Brown, R. Mellon, R. E. Campbell, W. F. Ellis, Dr. J. A. Walsh, and Sir Thomas Robinson. Correspondence from the following was received and dealt with: Messrs. R. Allan & Son, Stephen Smith & Co. (London), F. E. Young (Newbridge), P. M. Moriarty, Ed. A. Whelan (Rathkeale), Jones' City Pharmacy, Dublin Wholesale Druggists' Association, and the Ulster Retail Drug-trade Association. The Draft Regulations made under the Dangerous Drugs Act were considered, and the secretary was directed to advise the members of the Association to write to the Under-Secretary of State, Home Office, Whitehall, S.W. 1, protesting against the Act. It was also decided that Mr. D. M. Watson and Dr. J. A. Walsh be authorised to represent this Association in London, and to join with the Pharmaceutical Society of Great Britain on any deputation that may be appointed to wait on the Home Secretary.

Exeter.—A meeting of the Devon Pharmaceutical Association was held at Exeter on January 26, Mr. P. F. Rowsell (President) in the chair. Mr. D. A. Evans and Mr. W. J. Shepperd reported on the Local Associations Conference of December 8. A discussion of the Draft Regulations under the Dangerous Drugs Act followed, and a resolution was adopted to the effect that the proposed Regulations are unworkable and encroached on the legal rights of pharmacists. A copy of the resolution was ordered to be sent to the Home Office and to all local members of Parliament. The secretary was also instructed to urge every chemist in Devon to take individual action. It was resolved to arrange for the formation of a branch of the Retail Pharmacists' Union within the Association. The annual dinner will be held early in April.

Glasgow.—A mass meeting of the trade was held in Glasgow on January 24, to discuss the Draft Regulations made under the Dangerous Drugs Act, 1920, Mr. D. G. Mackenzie, President of the Glasgow Branch of the Scottish Pharmaceutical Federation, occupying the chair. There was a crowded attendance. A letter was read from the general secretary of the Scottish Pharmaceutical Federation stating that it was imperative for the meeting to consider the Draft Regulations, and that the views of the meeting, together with any practicable suggestions, should be communicated to him without delay. The chairman stated that the Regulations meant nothing less than the elimination of the pharmacist as a factor in public health, that they surrounded the legal seller and dispenser of poisons with such an array of red-tape formalities as to render his qualification a paradoxical anomaly. Mr. J. Rutherford Hill, resident secretary of the North British Branch of the Pharmaceutical Society of Great Britain, went over the history leading up to the Draft Regulations. He also dealt with various clauses in the Regulations, and declared that they were intolerable as well as unworkable. He was of the opinion that distribution of the poisons mentioned should be limited to properly qualified pharmacists, and that the most effective way of stopping abuse in the use of poisons would be through the aid of the pharmacist, who stood between the public and the poison, and not through the medical man. He also complained of the want of time given for consideration of the Regulations, and was of the opinion that they should be strenuously opposed. Thereafter a discussion took place, when various suggestions were made as to what form opposition to the Regulations

should take. Mr. Hill suggested that a resolution might be come to by the meeting to the effect that, while recognising the possible need for Regulations, these should be made under the existing Pharmacy Acts; that the Draft Regulations were an intolerable interference with the liberties of the people, and that they ignored the fact that the only real protection to the public is the duly qualified pharmacist. The Executives of the Scottish Pharmaceutical Federation and the North British Branch of the Pharmaceutical Society should take what steps were necessary to have the Draft Regulations withdrawn. Mr. Mackenzie ultimately moved the following resolution, which was unanimously agreed to: "That this meeting resolve to support any joint action taken by the Executives of the North British Branch of the Pharmaceutical Society and the Scottish Pharmaceutical Federation, with a view to preventing the Draft Regulations becoming law." The branch secretary was instructed to send a copy of the foregoing resolution to the general secretary of the Scottish Pharmaceutical Federation.

Hampshire.—The annual meeting of the Hampshire Pharmacists' Association was held on January 26, Mr. E. H. Smith presiding over a somewhat small attendance. The treasurer presented his report, which showed a greatly increased expenditure, due to the higher charges for rooms and heavier secretarial expenses. The balance in hand was 10*l.* 13*s.* 4*d.* The report was adopted. The secretary read his annual report, which was adopted. He expressed the hope that "in the future, when we shall have, in addition to the local Associations, a strong branch of the Union of Retail Pharmacists formed in this area, more members will endeavour to attend the meetings and give their fellow-pharmacists the benefit of their experience." The President then reported on the Local Associations Conference held in London on December 8. A discussion followed on the question of forming a branch of the Retail Pharmacists' Union in the area, and it was suggested that the area covered by the Association was too large and scattered for one branch, and that county members residing in the vicinity of the boroughs should be allowed to join up with the borough branches. The question of the Draft Regulations under the Dangerous Drugs Act was next considered, and it was resolved to send a letter of protest. The election of officers was then proceeded with. Mr. C. H. Baker, who is retiring from the secretaryship after seven years' service, was elected *President*; Messrs. Upsom (Gosport) and Gare (Lymington), *Vice-Presidents*; Mr. Wainwright (Eastleigh), *treasurer*; and Mr. H. J. Martin (Christchurch), *hon. secretary*. The Committee was re-elected, with the exception of Mr. A. E. Chaston (Winchester), who, retiring through ill-health, is succeeded by Mr. Kirkman (New Milton).

Hull.—A meeting of the Hull Pharmacists' Association was held recently under the presidency of Mr. T. H. Newton. A large number of chemists and their friends assembled to hear Mr. E. Haworth Earl lecture on *Shakespeare's King Henry IV., V., VI.* One interesting item of information was that Henry VI. gave the cap of maintenance and a sword to be worn by the Mayor of Hull as a token of authority from the King.

Leamington.—The Warwickshire Pharmaceutical Association held its annual general meeting, at Leamington, on January 27, at which the retiring officers were unanimously re-elected. The expenditure for the year amounted to 22*l.* 11*s.*, and the receipts to 18*l.* 4*s.*, the monthly issue of the Retail Price List to members being the chief item of expenditure. It was decided to raise the subscription for 1921 to 10*s.* 6*d.*, this amount to be reconsidered at the end of the year. The advent of the Retail Pharmacists' Union was enthusiastically received, and the secretary was instructed to take the necessary steps to form a branch in the area. A report of the Local Associations Conference, held on December 8, was given by Mr. Nundy. The secretary reported that he had communicated with the Secretary of State as to the Draft Regulations of the Dangerous Drugs Act, and other members had also done so. Each individual member is to be advised to write at once and urge the immediate re-drafting of the Regulations.

London (W.).—A meeting of the North Kensington branch of the Western Pharmacists' Association was held on January 27, Mr. A. Smith in the chair, at which Mr. Shircliffe explained the position regarding the Dangerous Drugs Act. Pointed questions and an animated discussion followed, in which Messrs. Owles, Manning, Grimwade, Taylor, Worstley, Evans, Milligan, and Gorderlier took part. It was eventually agreed that a protest against the Regulations be sent to the Home Secretary.

Public Pharmacists.—The Public Pharmacists' Association held their annual meeting at St. Bride Institute, Ludgate Circus, London, E.C., on January 26, Mr. J. L. P. Hollington in the chair. After the annual report had been read, the chairman, in the course of his address, remarked that the Association had been a driving force in public pharmacy. He urged that the ideal of the public pharmacist should be good work, well done. He would have memories of good comradeship and good feeling shown during his year of office. A vote of thanks was carried with acclamation. The chairman then said that, as hon. secretary of the Association for many years, Mr. G. W. Gibson had given to public pharmacy a free gift of fine intellectual powers and great organising ability. On behalf of the members he then presented to Mr. Gibson a handsome easy-chair as a token of their appreciation. Mr. Gibson suitably responded. The following were then elected as officers: *President*, Mr. T. H. W. Idris, J.P.; *Chairman*, Mr. G. W. Gibson; *Vice-Chairman*, Mr. F. E. Bullen; *Secretary*, Mr. L. W. Billington, St. Mary, Islington, Infirmary, Highgate Hill, N. 19 (to whom intending members should apply); *Assistant Secretary*, Mr. A. J. Gibbons; *Secretary of Poor-Law Section*, Mr. R. W. Lindsey; *Council*, Misses Andrews and Gilliatt, Messrs. Cairns, Hollingworth, Jenkin, Moore, and Skinner. Mr. A. H. Jenkin then dealt with the Regulations under the Dangerous Drugs Act from the hospital pharmacist's point of view. The Act should not interfere with the legitimate supply of necessary medicines. Exceptional treatment of hospitals is necessary if they are to do their work. A discussion ensued, and a resolution protesting against the impracticable character of the proposed Regulations in the case of hospitals was unanimously adopted.

Redhill.—The Reigate and Redhill Pharmacists' Association held a recent meeting, at which Mr. Walmsley (vice-chairman) presided. The principal business was to consider the Draft Regulations under the Dangerous Drugs Act, and after full consideration the following resolution was unanimously passed: "That the Reigate and Redhill Pharmacists' Association, while anxious for the public safety in the proper distribution of dangerous drugs, strongly protests against the Draft Regulations, and urges the Pharmaceutical Society to do everything in its power to amend these Regulations as to make them more effective and workable. The Poisons Act already provides a ready means for registering poisons, and the public are protected thereby." Every member of the Association was also requested to write a letter of protest to the Home Secretary. Philip's Price List was again adopted for 1921. The new telephone rates were also discussed, and it was resolved that the Association should protest against the new rates.

Scottish Pharmaceutical Federation.

A meeting of the Executive Council of the Scottish Pharmaceutical Federation was held at 4 Queen Street, Edinburgh, on January 26. Among those present were: Messrs. Arthur (Glasgow), Stephen (Dundee), McLaren (Kirkcaldy), Coats and McLennan (Edinburgh), Ferrier (Grangemouth), Russell (Greenock), McEwan and McKenzie (Glasgow), and Inglis (Paisley), the chairman and vice-chairman of the Federation, and the secretary (Mr. Alexander Murray). Mr. Jack occupied the chair. The President intimated that the meeting had been called to discuss fully the Dangerous Drugs Act, 1920, Draft Regulations, and to receive the reports from the branches. The secretary read a letter from the Glasgow Branch, and explained that the letter expressed the same opinion as

all the other branches. Mr. Ferrier (Grangemouth) intimated that a local meeting had decided that the Regulations must be blocked. Mr. Stephen (Dundee) intimated that the unanimous decision of the Dundee area was that the Regulations are quite unworkable and intolerable, and chemists are prepared to refuse to handle the drugs if those Regulations were put in force. It was left in the hands of the Executive Council as to what action had to be taken. A discussion took place in which various points in the Regulations were brought out. Attention was drawn to Part 12 of The Hague Convention. Mr. McEwan afterwards outlined what action should be taken. He suggested that they arrange a campaign in the trade, in the public Press, among the members of the Houses of Parliament, and among the outside trades who would be affected should the Regulations become law. After discussion, this suggestion became the finding of the meeting, and it was agreed that the Pharmaceutical Society of Great Britain is the recognised body to deal with the sale of poisons, and moved that a committee be formed consisting of Messrs. Coats, McKenzie, and McEwan, the chairman, vice-chairman, and the secretary, and that this committee should work in co-operation with the North British Branch of the Executive, or a committee therefrom, and that any action that was taken would be done in unity. The secretary reported that letters had been sent by the Chemists' Defence Association to every member in Scotland. He said he had thoroughly reviewed this letter from the Insurance point of view. There was no claim in those letters made by the C.D.A. which the Scottish Pharmaceutical Federation could not equally make. Not only did it undertake to give all the benefits, but its Insurance policy is a better policy than that of the C.D.A., and at about a quarter of the price. The Federation can undertake all forms of insurance. Mr. Jack intimated that a letter had been received from Mr. Mallinson announcing his appointment to the C.D.A. and intimating that a Conference should take place in Edinburgh. He said that he had thoroughly reviewed the situation, and, as the Federation had fixed up its arrangements, he was of opinion that a Conference at the present time was unnecessary. The Executive agreed with Mr. Jack. The secretary submitted a letter for the information of the Executive upon one or two Insurance points. Mr. McNab put forward some questions regarding Insurance, and commented on the onerous work that had been done by the secretary in carrying this scheme through satisfactorily. He asked the Executive to award their appreciation, to which they agreed. The treasurer submitted the accounts. These were duly passed and authorised for payment. Mr. McLennan said the doctors had taken action against the new proposals made by the Board of Health in putting wives and dependants of insured persons on the panel, and he asked if the Executive was doing anything in this matter. This was remitted to the committee to deal with.—A further meeting of the Executive Council was held at 47 Queen Street, Edinburgh on January 28, when there were present Messrs. Stephen, Nesbit, McKenzie, Arthur, McLaren, Coats, McLennan, Ferrier, McEwan, and Inglis, and the chairman, vice-chairman, and secretary (Mr. Alexander Murray). Mr. Jack, the President, occupied the chair. The President intimated that the meeting had again been called owing to the fact that the committee, which had been appointed to work in co-operation with the North British Executive, could not proceed owing to the fact that the North British Executive had intimated that while it would give every assistance it had decided that it could not work along with the committee. A long letter was read from Mr. Hill explaining the position, which the Executive fully discussed, and agreed to carry out their scheme of campaign. As the time was very short it was agreed that three committees be appointed—a committee to arouse the trade to the grave situation, a Press campaign committee, and a Parliamentary committee; and these committees were given full power to carry out the scheme. Reports were submitted in connection with the difference which had arisen between the Lanarkshire chemists and doctors. It was agreed to leave this matter over until the following week.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garhling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, Feb. 3.

IN spite of the depression in Mincing Lane circles, which appears to be more acute this week, there is in certain quarters an inclination to take a more optimistic and healthier view of the outlook, and it would not be surprising if the United States were to give a lead shortly in this direction. Prices there have fallen more substantially than on this side, and naturally they would be the first to show signs of recovery. Meanwhile home trade is developing satisfactorily, and there is a fair amount of small and sustained demand from wholesale druggists, but export business is almost at a standstill, and likely to be under the present dislocated Continental exchange conditions. Banks are still forcing their clients to liquidate stocks, and it is becoming more difficult than before to quote definite figures for almost any product. If a firm is a weak holder they will offer at a price or accept a bid that will make sure of a sale and disregard the market altogether. The practice of drug-brokers sending round a junior with samples to wholesale houses and appealing for a bid is unique, and opens a new chapter in the history of drug-peddling which indicates the crisis through which trade is passing. The changes of the week in drugs include an easier feeling in liquorice root, ergot, senega, and canary seed. Coriander is lower, fenugreek and cumin being steady. Menthol and Japanese camphor are on the easy side. Other changes comprise a substantial reduction in shellac. Linseed and castor oils, cocoa butter, cloves, and glucose are also cheaper to buy. The movements in essential oils, pharmaceutical and heavy chemicals are given in their respective sections.

Firm		Lower	
Citric acid			
Easier			
Arsenic	Ergot	Acetic acid	Methyl
Camphor	Liquorice root	Alum	salphonal
(Ch. crude)	Menthol	Ammon. carb.	Orange oil
Camphor	Mint oil (Jp.)	Anise oil, stor.	(c.i.f.)
(Jap. ref.)	Paranitraniline	(c.i.f.)	Oxalic acid
Canary seed	Pepper	Apomorphine	Potash
Cloves	Sodium	Aspirin	carbonate
Cocaine	hyposulphite	Bay oil	Pot. sulpho-
		Cananga oil	guaiacolate
		Castor oil	Salicylic acid
		Chrysarobin	Saltpetre
		Cocoa butter	Sandalwood oil
		Coconut oil	Shellac
		Collodion	Shiu oil
		Copper sulphate	Sodium nitrate
		Coriander seed	Sodium
		Cream of tartar	prussiate
		Glucose	Sodium sulphide
		Guaiacol carb.	Stermin oil
		Hydrobromic	Sulphonal
		acid	Sulphur
		Lemon oil (ford.)	Vanillin
		Linseed oil	Wood oil
		Mace	

Cablegrams.

NEW YORK, February 1.—Business is fair. Menthol has improved to \$4.60 and sweet oil of birch to \$5.15. Podophyllum root has advanced to 20c. and hydrastis to \$5.00 per lb. Cascara sagrada is lower at 15c. Antipyrin has been reduced to \$2.00 and saccharin to \$1.70 per lb.

BERGEN, February 2.—The cod-liver oil market is quiet and price is nominal at 200s. per barrel c.i.f. for finest non-congealing medicinal oil. The catch of cod is 290,000, against 429,000 at the corresponding date of last year, and the yield of steam-refined medicinal oil is 520 barrels, against 178 barrels at the same date of last year.

London Markets.

ALOE.—A lot of 25 kegs has arrived from Bombay. Owing to scarcity 10l. per cwt. has been paid for black Mocha.

CANARY SEED is slightly easier, with only a small business, at 80s. to 82s. 6d. per qr. for ordinary to fair, and at 115s. for good Morocco.

COCOA BUTTER is dull and lower, English offering at 1s. 6d. per lb. in not less than 1-ton lots.

CORIANDER SEED is lower at 15s. to 16s. per cwt. for sound Morocco, and at 10s. to 12s. for wormy.

CUMIN SEED is quietly steady at 22s. 6d. per cwt. for fair sifted Morocco, but a lower bid would probably be accepted for a quantity.

DILL SEED is quoted 23s. per cwt. for fair East Indian.

DRAGON'S BLOOD.—The China from Bombay has brought 20 cases.

ELEMI.—Arrivals amounting to 142 cases have taken place from Manila.

FARINA is easier, Japanese No. 1 offering at 26s. per cwt. on the spot, and January-March shipment at 20s. 6d. c.i.f. Dutch is quoted 23s. spot for fine quality, of which a plentiful supply is on offer.

FENUGREEK SEED is steady at 10s. to 10s. 6d. per cwt. for good Morocco.

GLUCOSE is cheaper, American water white liquid offering at 37s. 6d. per cwt., duty paid, landed terms.

GUAIACUM.—Small sales of good glassy block have been made at 5s. 6d. per lb.; common quality continues neglected.

LIQUORICE ROOT is easier, fair natural offering at about 45s. per cwt., and slightly less for quantity. Cut decorticated is 90s. per cwt.

LOBELIA is offered at about 4s. 6d. per lb. on the spot.

MENTHOL is quiet and easier, with spot sellers of Kobayashi-Suzuki at 24s. to 24s. 6d. per lb.

MERCURY.—There seems to have been a little more business put through lately at the little reduction in prices made last week, but the general tone is weak and the outlook uncertain. Export business is still slow. Current rates are about 12l. to 12l. 10s. per bottle.

OPIMUM meets with a slight demand, the value of good Turkey druggists' being about 18s. per lb.

PLATINUM.—While the leading home refiners are still asking a fancy figure, the quotation at which business is actually being done is 320l. per oz., but the tone thereof is rather firmer, with a little more business. Business in palladium is a matter of negotiation.

SASSAFRAS BARK is offered at from 3s. to 3s. 3d. per lb. on the spot.

SENEGA is offered at rather lower prices, spot being obtained at about 5s. per lb. and slightly less for quantity.

SHELLAC.—At auction on Tuesday 260 packages sold without reserve, and consisting mostly of fine grades. TN declined about 20s., fine Orange 75s., and pure button about 100s. per cwt. The sales included fine free Orange at from 405s. to 420s., fine second Orange, free to matted, 350s. to 385s., matted to blocky, ditto, 330s. to 335s., TN ordinary small red, worked free, 290s. to 295s., ordinary small reddish, mixed with foreign matter, sold with all faults at 270s. to 280s.; 20 cases Orange sold for account of whom it may concern (with all faults), fair reddish, free damaged, at from 275s. to 280s. Of 92 chests buttonlac offered without reserve, 18 sold at from 325s. to 340s. for RLI pure. Privately the spot market for usual standard TN Orange quality has declined about 30s. per cwt., closing at 320s. Futures are lower, sales including March at 260s. to 255s. and May at 230s. to 220s.

Pharmaceutical Chemicals.

BUSINESS is still far from being satisfactory, and good stocks are on the market, with buyers scarce. Continental competition, particularly German, is undoubtedly telling against values, and a number of further declines are recorded this week, including aspirin, gallic acid, guaiacol carbonate, potash sulpho-guaiacolate, sulphonol, vanillin, and salicylic acid.

ACETANILIDE is only being asked for very occasionally in small lots, price remains at about 2s. 3d. to 2s. 6d. per lb., and is not firm.

AMIDOPYRIN is in a little better demand, with price maintained at about 23s. per lb.

AMMONIUM BROMIDE is freely offering at 1s. per lb., but the demand is very poor.

APOMORPHINE is easier, makers quoting hydrochloride crystals at 45s. per oz.

ASPIRIN is in small demand only at from about 2s. 10d. to 3s. per lb., but for finest quality a premium on these prices has been paid.

BENZONAPHTHOL is very unsteady, quotations are from 9s. 6d. to 10s. per lb.; business is poor.

CALCIUM LACTATE is quiet, with quotations unchanged at 3s. to 3s. 6d. per lb.

CAMPHOR (REFINED).—Japanese 2½-lb. slabs are about 3d. per lb. cheaper, offering at 4s. 6d. and February-March shipment at 4s. 3d. c.i.f. Chinese is 4s. spot.

CHLORAL HYDRATE is unchanged and steady at 5s. 6d. per lb. on a quiet market.

CHRYSAROBIN is lower, makers quoting 11s. per lb.

CITRIC ACID is very irregular, but prices are firmer at from 2s. 5d. to 2s. 6d. per lb. from dealers.

COCAINE is easier than when last quoted, hydrochloride offering at about 13s. 6d. per oz.

COLLODION.—Makers' prices are 6d. per lb. lower at 6s. and meth. at 2s. 8d. Flexile is 6s. 6d. and flexile meth. 3s. 3d. per lb.

COUMARIN is weaker on spot, with sellers at from 13s. to 15s. 6d. per lb.

CREAM OF TARTAR has been arriving more freely of late, and prices continue easy, with spot sellers of 99 to 100 per cent. powder at 160s. to 165s. per cwt. Forward delivery can be had at 160s.

CREOSOTE B.P. seems steadier, although the market remains quiet at about 5s. per lb.

GUALACOL CARBONATE is unsettled, and the market shows signs of weakening; offers are from 16s. 6d. per lb. upwards.

HEXAMINE is again on the downward grade, and is now offering at 7s. per lb., with but small movement.

HYDROBROMIC ACID has been reduced by makers, B.P. acid offering at from 7d. to 8d. per lb. Concentrated, s.g. 1.203 (25 per cent.), is 1s. 4d. to 1s. 7d.; s.g. 1.275 (31.8 per cent.), 1s. 9d. to 2s.; s.g. 1.308 (34 per cent.), 2s. 2d. to 2s. 5d.; s.g. 1.375 (40 per cent.), 2s. 7d. to 2s. 10d.; and s.g. 1.510 (50 per cent.), 2s. 11d. to 3s. 2d. per lb., as to quantity.

HYDROQUINONE has eased off a little, and is now quoted at 6s. per lb.

METHYL SALICYLATE is unsettled, values are, however, maintained at about 3s. per lb.

METHYL SULPHONAL is much lower this week, having fallen from 23s. to about 20s. per lb.; the market is very unsettled, and little business has been done.

PARALDEHYDE is maintained nominally at about 2s. 9d.; there is no demand.

PHENACETIN is steadier after last week's fall, and remains at 9s. 6d. to 10s. per lb., with only small business doing.

PHENAZONE is steady at 9s. 6d. to 10s. per lb. on a quiet market.

POTASSIUM BROMIDE is unsteady, owing to Continental supplies and offers for forward position undercutting the market; parcels now offer at about 10d. per lb. for crystals or granular; the demand is small.

POTASSIUM PERMANGANATE.—B.P. is 2s. 3d. per lb. and upwards; offers as low as 2s. to 1s. 9d. per lb. are on the market, which is for imported material of a guaranteed quality; a fair business is being done.

RESORCIN continues to be quoted at 10s. to 10s. 6d. per lb., with but little demand.

SALOL is quiet and weak, with values at about 3s. 9d. to 4s. per lb.

SALICYLIC ACID.—Fair current values for B.P. quality in the open market are now from 1s. 3d. to 1s. 5d. per lb. Prices are very unsettled owing to the forced liquidation of stocks.

SODIUM BENZOATE seems firmer at about 2s. 4d. per lb., with moderate business on the market.

SODIUM DIETHYLBARBITURIC remains steady at about 25s. per lb., with market quiet.

SODIUM SALICYLATE is offered at from 2s. 4d. to 2s. 6d. per lb. for powder, and 3s. 3d. for crystals.

SULPHONAL can be had at 19s. 6d. per lb., up to 21s. being quoted.

TANNIC ACID.—*Leviss* is dull and unchanged at about 5s. 6d. per lb.

TARTARIC ACID continues nominal at 2s. per lb. for crystals or powder, but business has been done at 1s. 9d.

TERPIN HYDRATE is unchanged at last week's figure of 5s. 3d. to 5s. 6d. per lb.; market is quiet.

THYMOL is maintained at 35s. to 40s. per lb., with not much demand.

VANILLIN shows a sharp decline, with spot supplies offered at from 42s. 6d. to 45s. per lb., and less for quantity. Makers' price has been reduced.

Heavy Chemicals

Wednesday, February 2.

THE reports to hand this week generally show but very little change in the state of the market. Business seems generally to be still quiet, with values unsettled and, in some instances, inclined to ease off still further. Good stocks are offering. Export business is decidedly poor. German competition is becoming more fierce in potassium compounds, particularly permanganate, carbonate, and caustic potash, it being the policy of the makers to undercut British prices. Acetic acid, salt-petre, sulphur, ammonium carbonate, and oxalic acid are all lower.

ACETIC ACID is lower, glacial in carboys offering at 67l. 10s. per ton, and 80 per cent. puro in casks at 52l. 10s. per ton.

ACETONE.—B.G.S. is nominally 100l. per ton; there is no demand.

ALUM.—The makers' price is 1l. per ton lower at 19l. 15s. per ton for lump and 20l. 15s. for ground, in London. Reports show fair supplies offering in dealers' hands in single bags at 19l. to 19l. 10s. per ton, but the demand is very small.

AMMONIUM CARBONATE.—On January 31 makers further reduced their prices by 2½d. per lb. to 4d. for lump and 4½d. per lb. for powdered in 2 to 5 cwt. casks, with the usual extras for smaller packages.

ARSENIC.—There is no sign of any revival in the demand, buyers still holding off in anticipation of lower prices. The market thus remains quite nominal at 55l. per ton for white Cornish delivered at works. Further concessions from this figure are not unlikely, although the supply is not very large.

BARYTES continues to be nominal. Practically no inquiries are on the market, and prices are as last week at 6l. 5s. up to 10l. 10s. per ton, according to quality.

BLEACHING POWDER in hardwood casks is only being inquired for very occasionally, and remains quoted at about 22l. per ton.

COPPER SULPHATE is almost lifeless, and export inquiries are few and far between. Makers have again today reduced their prices to 37l. per ton in bags and 38l. in casks.

EPSOM SALT is nominal at about 7l. 10s. per ton for commercial.

FORMALDEHYDE is only moving very slowly and in small lots; prices are maintained at about 125l. per ton, but are inclined to be weak.

GLAUBER'S SALT is offered steadily at last week's figure of 7l. 10s. per ton, and limited business has been done.

LEAD ACETATE continues in small demand only, with prices about the same as last week, but are unsteady; brown broken at 57l. and white crystals at 60l. per ton.

LIME ACETATE is quiet and weak; current offers are from about 23l. for 80-per-cent. grey material and 33l. for 92 per cent.

LITHOPONE has experienced quite a good demand, and prices are well maintained at 32l. per ton for 30 per cent. red seal Continental and 38l. for green seal.

OXALIC ACID is lower at 11½d., with some asking 1s. per lb.

POTASH CAUSTIC, 88 to 92 per cent., is practically a dead letter, spot lots offering at about 63*l.* per ton; makers' price is 55*l.* per ton.

POTASSIUM BICHROMATE is still only selling in very small lots; prices are maintained with difficulty at 1*s.* 2*d.* to 1*s.* 3*d.* per lb.; makers' price remains at 1*s.* 3*d.* per lb.

POTASSIUM CARBONATE has eased off, and spot lots are now offering round about 60*l.* per ton; makers' price is reduced to 50*l.* per ton. Market continues quiet.

POTASSIUM CHLORATE is dragging on the market. Spot parcels offer at 6½*d.* per lb.; makers' price unchanged at same figure.

POTASSIUM PERMANGANATE continues unsettled, with quotations varying from 2*s.* upwards. A moderate business is passing; makers' price is now reduced to 2*s.* 3*d.* per lb.

POTASSIUM PRUSSATE is nominally quoted, there being no business for spot lots; yellow is 1*s.* 3*d.* per lb. and red at 2*s.* 8*d.*; makers' prices are now 1*s.* 4*d.* and 2*s.* per lb. respectively.

SALTCAKE is moving to a little extent, and values are maintained at last week's figure of 12*l.* upwards per ton in bulk f.o.b.; makers' price for home trade only remains at 9*l.* 10*s.* per ton.

SALTPETRE.—English refiners have reduced their prices by 3*l.* per ton, and quotations are now made at 63*s.* per cwt. for crystals and 62*s.* for granulated, in lots of 1 to 2 cwt. For powdered 2*s.* per cwt. extra is charged.

SODA ASH (58 per cent. light alkali).—A few spot lots offer at about 10*l.* per ton f.o.b. in single bags, but there is small demand; makers' price for home trade only is maintained at 8*l.* 10*s.* per ton.

SODA CRYSTALS remain quoted by makers at 7*l.* per ton in bags, carriage paid, for home trade only; a few spot parcels offer at about 8*l.*, but there is no demand.

SODIUM BICARBONATE is only in very limited demand and offering at about 10*l.* 10*s.* for refined material; makers' price for home trade only is 9*l.* per ton.

SODIUM BICHROMATE is unusually quiet; spot lots of small size offer at about 8½*d.* to 9*d.* per lb.; makers' price is still maintained at 10½*d.* American material for prompt shipment is offering at 8*d.* per lb. c.i.f. U.K. and Continent.

SODIUM CAUSTIC.—70 to 72 per cent. material is being inquired for now and again, some small spot parcels offering at about 23*l.* per ton f.o.b.; makers quote 24*l.* 10*s.* per ton, and American products offering prompt shipment at approximate figure c.i.f. U.K. and Continent.

SODIUM CYANIDE remains steady, but in small demand, at 1*s.* per lb. per 100-per-cent. basis, makers' price f.o.b.

SODIUM HYPOSULPHITE has quietened down, and the market is inclined to weaken; pea crystals now offer at about 27*l.* per ton, packed in 1-cwt. kegs; commercial quality is offering freely at 21*l.* in bags or casks; makers' price for commercial remains at 20*l.* per ton for home trade only.

SODIUM NITRATE.—Refined 96 per cent. is offered by makers at the slightly reduced figure of 22*l.* per ton f.o.r. Liverpool; spot parcels are about the same figure, but there is but very little inquiry.

SODIUM NITRITE remains unchanged and is offered by makers at 7½*l.* per ton; market is quiet.

SODIUM PRUSSATE is in little demand, spot parcels now offering at about 9½*d.* per lb.; makers' down to 9*d.* per lb.

SODIUM SULPHIDE.—Concentrated 60 to 66 per cent. is now quoted by makers at the lower figure of 30*l.* per ton; some spot lots of 60 to 62 per cent. solid, in drums, offer at about 30*l.* per ton, but the demand is poor.

SODIUM SULPHITE is still lifeless and is nominally at 36*l.* per ton.

SULPHUR is lower, Sicilian flowers offering at 17*l.* per ton and roll at 17*l.* ex wharf London.

TIN CRYSTALS remain quoted at 1*s.* 7*d.* per lb., with little inquiry.

Essential Oils.

THERE are not many changes to be recorded during the week. Sicilian oils are very dull, and the forward price of lemon is lower. A reduction has been made in the price of Mysore Government sandalwood oil. Cananga, shiu and spearmint oils are cheaper. Anise star oil

is unchanged on the spot; to come forward the price is lower.

ANISE STAR continues easy, with spot sellers at 2*s.* 9*d.* per lb., and February-April shipment has been sold at 2*s.* 3*d.* to 2*s.* 2½*d.* per lb. c.i.f.

BAY.—West Indian is obtainable on spot at 20*s.* to 23*s.* per lb. for good quality, being cheaper.

BERGAMOT is unchanged on the spot for 37/38 l.a. at from 26*s.* to 28*s.* per lb. Forward prices are slightly firmer in some directions from 23*s.* to 25*s.* c.i.f. being variously quoted.

BOIS DE ROSE (FEMELLE).—At first hands tip-top oil is obtainable forward at from 23*s.* to 26*s.* per lb. c.i.f., according to quantity.

CAJUPUT.—A seasonal demand is reported in some quarters at from 3*s.* 4½*d.* to 3*s.* 6*d.* per lb.

CAMPHOR.—Japanese white essential is quiet and unchanged on spot at 180*s.* per cwt. The *Kamakura Maru* has brought 35 drms. Japanese white essential oil to Liverpool.

CANANGA.—The spot value is lower, with 19*s.* 6*d.* per lb. quoted.

CITRONELLA.—Ceylon is dull and unchanged on spot at 1*s.* 6*d.* per lb. Java is unchanged at 4*s.* to 4*s.* 3*d.*

EUCALYPTUS.—B.P. oils are unchanged at 3*s.* per lb. for high cineol content. *Amygdolina* is unchanged at 1*s.* 10*d.* and *Citriodora* at 18*s.* to 20*s.*, according to quantity.

GINGERGRASS.—“Insolable” is not in much request at 15*s.* per lb. for original pots.

LAVENDER.—Good French oil is quoted on spot at prices varying from 35*s.* to 40*s.* per lb., according to ester value.

LEMON.—Forward offers are lower, from 3*s.* 6*d.* to 4*s.* c.i.f. being variously given. There does not seem to be much spot demand at 4*s.* to 4*s.* 6*d.*, which represent the quotations for good brands.

LINALOE.—Mexican wood oil is obtainable on spot at from 25*s.* to 28*s.* per lb.

MINT.—Japanese dementholised is easier, with spot sellers of Kobayashi-Suzuki at 4*s.* 10½*d.* per lb., and February-March shipment at 4*s.* 8*d.* c.i.f.

NEROLI.—There is not much demand for good French oil, which is quoted about 90*s.* per oz. French Bigarade is obtainable at 40*s.* to 42*s.* per oz.

ORANGE.—There is very little demand on spot, which is stationary at the nominal quotation of 15*s.* 6*d.* to 16*s.* per lb. for sweet Sicilian, and 14*s.* to 14*s.* 6*d.* c.i.f. to arrive. The spot value of West Indian is quoted at from 12*s.* 6*d.* to 14*s.* per lb., according to holder.

PALMAROSA continues quiet, with small lots only in request at 20*s.* per lb. Original pots can be bought at 17*s.* to 19*s.*

PETITGRAIN.—Paraguayan is weak on the spot at 20*s.* per lb., although some holders have quoted down to 18*s.* 6*d.*

SANDALWOOD.—The consignees for the Mysore Government oil of B.P. quality announce a further reduction of 7*s.* 6*d.* per lb., making the quotation for 5-case lots 37*s.* 6*d.* per lb.; less than 5 cases, 38*s.*; and broken bulk, 33*s.* 6*d.*

SHIU.—The Japanese substitute for linaloe has been reduced on spot, holders quoting 15*s.* per lb.

SPEARMINT is lower on spot, from 45*s.* to 48*s.* per lb. now being quoted.

VETIVER.—Bourbon is unchanged on the spot, with holders quoting 45*s.* per lb.

Italian Drug and Chemical Markets.

Genoa, January 24.

THE drug and chemical markets during January passed through a more encouraging period as regards prices, despite the reductions abroad; more stability was shown, and in some cases prices even improved. Moreover, the new year brought with it a certain amount of enterprise in the various industries, and consumers were encouraged to purchase more. Their demands, however, could not always be satisfied through the absence of certain products and their substitutes. The more settled conditions of Italian labour in the fine and heavy chemical industry increased the quantity of available national products, the prices of some of which declined slightly against foreign competition. The

above conditions were greatly assisted through a continual rise in the English pound sterling—i.e., from a value of lire 102.86 to a value of lire 109.50, declining a little towards the end of the month. With the United States the case was just the contrary for the value of the dollar was reduced further, being from lire 29.05 to lire 28.50. The mark rose from lire 29.08 to lire 44.05; the French franc from lire 1.69 to lire 1.90; and the Swiss franc from lire 4.43 to lire 4.48. The imports of German products increased, and this contributed, in part, to bring the exchange of this country higher.

Although the prices of many drugs, pharmaceutical products, and chemicals were reduced considerably in the countries of origin, the Italian market experienced very little change, owing, in great part, to the strong increase in the foreign exchange, to the still high German quotations, etc. Some of the current prices at the end of January were as follows, the exchange being reckoned at lire 107 to the English pound sterling:

Pharmaceutical Products.

	Lire per 100 kilos.		Lire per 100 kilos.
Acetic acid, glac. ...	950 to 960	Glucose, 45° Bé. ...	495 to 510
Acetone, pure ...	1,300	Glycerin, refined ...	820
" commercial ...	1,000	" d.d.s.g. 1.260 ...	1,000
Alcohol, denatured, 90° ...	850	Honey, white ...	950 to 1,000
" 95° 1,950 to 2,000		Hydrogen peroxide (10 vol.) ...	210
Ammon. carb., lump ...	590	Magnes. carb., lump ...	830
Ammonium chlor., lump ...	896 to 910	Magnesium chloride ...	110
Ammonium chlor., lump ...	896 to 910	" sulph. ...	95
(95-96) ...	750	Naphthalene flakes ...	325
Antimony sulphide, lump ...	600	Oxalic acid, xtals. ...	1,400 to 1,500
" powder 650		Pot. chlorate, powder ...	500
Boric acid, crystals ...	850 to 900	" santonin xtals. ...	450
" large flakes ...	950	Potash permang. ...	3,000
Camphor tablets ...	8,500	Quinine citrate ...	80,000
Carbolic acid, cryst., 39° to ...		" sulphate ...	59,000 to 61,000
40° C. ...	1,050	Soda pruss., yellow ...	1,300
Carbolic acid, liq., 95 p.c. ...	325	" salicylate, xtals. ...	4,000
Castor oil, medicinal ...	850	" sulph., anhyd., fused ...	140
Ceresin, pure white ...	1,110	Sulphur, refined ...	125 to 130
Cod-liver oil, medicinal ...	1,330 to 1,350	Vaseline, best white ...	1,600
		Wax, veg., Jap. ...	1,000
		" carnauba ...	2,000

Heavy Chemicals.

	Lire per 100 kilos.		Lire per 100 kilos.
Ammonia sulphate ...	230	Soda carbonate (Amer., 98 to ...	140
Bleaching powder ...	180	100 p.c.) ...	
Borax, crystals ...	500 to 530	Soda carbonate (Eng., 98 to 99 ...	140
Caustic potash (70 to 75 p.c.) ...	1,500	p.c.) ...	
Citric acid ...	2,750	Soda carbonate (French, 98 to ...	140
Cream of tartar ...	1,800	100) ...	
Formic acid (80 to 85 p.c.) ...	780	Soda carbonate (Jap.) ...	140
Hydrochloric acid, 20 to 21° ...		" caustic (76 to 78 p.c.) ...	290
Bé. ...	70	" caustic (70 to 72 p.c.) ...	290
Lead carbonate ...	525	" crystals ...	—
Nitric acid, 36° Bé. ...	450	" hyposulphite ...	200
Potash bichromate ...	1,800	" silicate, 140° Tw. ...	185
" pruss., yellow ...	1,350	" sulphate xtals. ...	90
Soda bicarbonate ...	130 to 135	Sodium sulphide (60 to 65 ...	500
" bisulphite, crystals, 32° ...	1,350	p.c.) ...	
Bé. ...	—	Sulphuric acid, 66° Bé. ...	50 to 52
		" 50° Bé. ...	22 to 25
		Tartaric acid ...	2.0 0

Italian Olive Oil Crop.

Genoa, January 24.

The collection of the olives still continued in Tuscany during January, and the small quantity of olive oil produced was largely retained by the producers themselves for their own consumption. The collection of the olives was retarded in some zones of this region (Tuscany) through the agitation of the peasants and through unsettled weather, and some of the olives by remaining too long on the plants did not produce the best quality oils. In other portions of Tuscany, however, and in many portions of Italy, the quality was very good, and even abundant. Dealers sought their products in the south of Italy, where olive oils of good quality were offered at from lire 1,300 to lire 1,400, despite the unique price of lire 1,100 fixed by the Italian Government, and that no one maintained. This price in some cases served admirably for passing second-class oils as first-class at a value of lire 900, and third-class products of lire 700, to the detriment of the consumers.

Hamburg Drug and Chemical Markets.

January 24.

The past year has been one of the most critical years for Germany. The political, economical, financial, and moral prospects are very gloomy, and there is but little hope of relieving the present position in the near future. The German industrial and commercial activity of pre-war time will not be regained for several years to come. Decisions

of the most serious consequences will have to be taken in the course of this year by a few men, holding in their hands the balance of power. We are gravely concerned about the future; the reconstruction of Europe will only be possible with united strengths, or the prosperity of Europe will rapidly run down. The actual condition on the drug market is unfavourable. The unstable tendency has become worse by the increasing compulsory sales. Bankers have limited or entirely withdrawn credits and speculators are in the worst position. Full stocks are to be found everywhere, but there is only a small buying interest. A general lack of demand prevails, and no important transaction takes place. The number of unemployed is growing higher every day here and elsewhere. The following prices (per kilo.) are quoted without engagement subject to export permission, net cash against documents, i.o.b. Hamburg, packages extra:

ACETANILIDE is very quiet at the low price of m.30.

ACETIC ACID.—Large transactions have taken place at the low rate of m.13.50 per kilo. for 80 per cent.; glacial (98 to 100 per cent.) remains scarce at m.18.

ACETYSALICYLIC ACID.—Makers quote m.100, but second-hands are cheaper at m.65 per kilo.

ALOES, CAPE, was offered in larger quantities, and prices had to adapt themselves accordingly. A spot supply of inferior quality is obtainable at m.15 to m.15.50, according to quantity.

AMMONIUM BROMIDE has declined to m.20 per kilo.

AMMONIUM CHLORIDE.—White, 98 to 100 per cent., is lower at m.7.50.

ANTIPYRIN has been sold at the lower price of m.320 per kilo.; demand is fair, with small supplies.

ATROPINE is lower at m.11,000 per kilo.

BALSAM PERU.—Lower prices are reported from the source of production. Natural imported quality is obtainable at m.350 to m.360 per kilo. for orders of three to five cases.

BENZALDEHYDE (free from chloroform).—An important reduction in price has taken place to m.50, and for lots of 1,000 kilos. to m.45.

CAFFEINE (Pure).—Little business is doing at m.950. Caffeine sodio benzoate and caffeine sodio salicylate are easier at m.500.

CAMPHOR.—Refined is offered at m.157.50 for orders of single original cases with a content of about 45 kilos.; for orders of five cases at m.154. A delivery expected to arrive at the end of January is offered at m.152.50 for orders of single original cases.

CASCARA SAGRADA.—Spot is obtainable at m.25, and at m.26 for orders of 100 kilos.

CASSIA FISTULA.—A delivery expected shortly is obtainable at m.23.50.

CYRIC ACID.—On account of the high price of the raw material in Italy the actual quotation of m.80 deserves attention.

COUMARIN.—Speculators are to a great extent interested; small transactions have taken place at m.300.

CREAM OF TARTAR (38/100 per cent.) is quoted at the factory price of m.33; small supplies and brisk demand.

DIGITALIS LEAVES.—Fair stocks exist at m.10.

ERGOT has again declined considerably; spot first quality sound is quoted m.255, and for orders of at least 50 to 100 kilos. m.248 per kilo.

GLYCERIN (e.p., 28°).—Supplies are scarce, and sales have improved at m.36.

GUAIACOL CARBONATE is scarce at m.350.

HELIOTROPINE.—A weak market caused a reduction to m.350 per kilo.

HENBANE LEAVES have been sold at m.30 per kilo.

HEXAMETHYLENTETRAMINE.—In demand for export at m.175 per kilo.

LEMON OIL.—In spite of the firm tendency in Italy, price has declined to m.125 per kilo. for spot.

German Import and Export Control.

The German office for the control of chemical imports and exports has added the following articles to the list of drugs which may not be exported: Nettle leaves, elder flowers and ergot; the two latter may be exported in amounts not exceeding 10 kilos. The following may not be imported: Ignatius beans, rose leaves, damiana leaves, poppy heads, guarana, calumba root, and castor. The free importation of the following is now permitted: Insect powder, peppermint leaves, fennel seed, marshmallow root, male fern root, and valerian root. It is interesting to note that for certain drugs this authority has fixed a maximum amount which may be exported within a month, the following quantities having been fixed for the month of January (the notice was published late in January): Buckthorn bark, 10,000 kilos.; arnica flowers, 1,500 kilos.; chamomiles, 1,000 kilos.; digitalis leaves, 8,000 kilos.; belladonna leaves, 1,000 kilos.; angelica root, 5,000 kilos.; belladonna root, 1,000 kilos.; and colchicum seed, 500 kilos.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Chemist-Opticians.

—Referring to the correspondence in the *C. & D.*, January 22, p. 75, arising out of some comments which appeared in the "Dioptric Bulletin" about the title "Chemist-Optician," it is perfectly true that the merits of an optician, or shall I say his value as such to the community amidst which he practises, should be judged not from the point of view of whether he is a good different craftsman, and not from any association he may have with some other profession or trade; but there is no reason why a considerable number of individuals, who practise two professions or trades, should stand themselves together under a descriptive title from the point of view of organising their interests for their mutual protection. The attack made on chemists in the present Bill is in fact evidence of the necessity for such concerted action. The Society of Chemist-Opticians has rendered good service in the past, and, although the necessity for vigorous action has not arisen for some time, which may have made some of its members feel unduly secure in their position, the Society has nevertheless kept a watchful eye on their interests, and would have at once taken them to action had the necessity arisen. A meeting of the Society's General Purposes Committee is being held this week, when the present position will be considered and a communication issued to the members.

Yours faithfully,

FREDK. S. HORSEY,

President of the Society of Chemist-Opticians.

2 Queen Street,
London, E.C. 4.

Hints to Manufacturers.

—In reference to Mr. Jackson's remarks on stock-keeping (*C. & D.*, January 29, p. 77), I have often thought that wholesalers would print the name only in clear type on the top of the carton it would considerably simplify matters for retail chemists. One instance which comes to my mind is that of Ashton & Parsons' homoeopathic remedies, most of these are printed on one end of the carton, with the name of the drug only in bold type and no other matter at all; the consequence is that they can be arranged lying down on shelves in alphabetical order or standing upright in drawers, and there is never any difficulty in finding the one required at a glance or in turning over the stock when making up an order.

Yours faithfully,

STOCK-KEEPER (19/9).

Proposed Fellowship of Pharmacy.

—Adverting to the discussion of the proposed Fellowship of Pharmacy at the last Council-meeting of the Pharmaceutical Society of Ireland two proposals seem to have been before the meeting: (1) A Fellowship of the Society; (2) a degree B.Sc. (Pharm.). If the Council is in earnest in this business suggestions from Licentiates may not be out of place. I wish to say that I favour the establishment of a degree for several reasons: (1) We have precedent here in that both Manchester University and Glasgow University already have such in pharmaceutical subjects. (2) It would not, I think, be difficult for the Senate of Queen's University in Belfast to follow in their footsteps. It would only be necessary for the North Irish Pharmacists' Association to point out the desirability, when I am sure the University would be glad to co-operate and establish a degree in science in pharmaceutical subjects. The question is, Would there be sufficient aspirants to warrant it? With Professor Small Ph.C., D.Sc., a pharmacist at the University. I

am sure we should get a respectful hearing. (3) It is questionable whether the Pharmaceutical Society of Ireland has powers to go on just now with a Fellowship, hence I advocate the degree B.Sc. (Pharm.). I hope other members of the Society will let you have their views before the next Council-meeting.

Yours truly,

SAMUEL HOGG, Ph.C.

Belfast.

Industrial Council Wanted.

SIR,—The creation of a Retail Pharmacists' Union amongst employers ought to offer a significant hint to those employees, who have up to the present remained adamant towards organisation, that the time has arrived for them to reconsider their position. About a year ago strong appeals were made to the trade relative to the formation of an Industrial Council, and it is entirely due to the apathy of the employee pharmacist that such a desirable accomplishment has not materialised. With the large number of additions to the register during the year, the need for such a Council is even more imperative to-day. It can yet become a reality by common action. Whatever opinions might be expressed through your Correspondence columns as to the amount that pharmacy can or cannot afford to pay in such a Council, at least discussions would be practical, and the employees' battle fought without fear or favour. There is to-day a growing tendency towards federation amongst employers. Pharmacy itself, through the introduction of the trust system, is travelling along the path of monopoly, and it is surely time that those engaged in the industry should have their fortifications in readiness. Ultimately, in the attempts to force down wages, no trade will be exempt; and the least resistance can naturally be offered by that one which is unorganised.

Yours faithfully,

JOHN GILMOUR,

National Union of Distributive and Allied Workers.

134 Maine Road.

Moss Side, Manchester.

Qualified Assistants' Remuneration.

SIR,—Your correspondents, "Nil Desperandum" and "Observer" (*C. & D.*, January 29, p. 78), complain that they are not able to secure a qualified assistant under 5/ a week, and "Observer" asks what an assistant must take to earn that amount. But I do not think that it can all be estimated in a matter of monetary returns. If a man employs an experienced and conscientious assistant there are many ways in which such an employee can make good apart from returns; for instance, there are the qualities of orderliness and neatness which, by having his counter clear, his stock in its right place, his bottles regularly filled up, etc., are worth a certain sum in time saved both in serving and ordering. Then there is the man who regularly puts goods sold out in the want-book, and also the man who does not. One man by his manner may secure and keep good customers, another one may equally turn them away, yet without doing anything with which his employer can openly quarrel. Take the item of dusting alone, you cannot set down any actual returns against this work, but if it were not done regularly and properly the pharmacy would soon acquire such an aspect that trade would be driven away. Then an assistant has, or should have, ideas of his own, which a good employer should be willing to listen to, even if he does not adopt them; some of them might be of great use to his business, the proprietor has not a monopoly of ideas. And, further, there is the extra freedom an employer has when employing a qualified man. Does he wish to go to a meeting, does he wish to take a holiday, then he has his qualified assistant in charge in conformity with the Act, and there is no expense for a *locum*. Personally, after careful consideration, I cannot exactly classify myself in any of "Observer's" four classes, and I do not earn 5/ a week; in these days of increased rents, heavy taxes, etc., and in view of the fact that our local employees, such as roadmen, dustmen, and so on, earn practically as much as I do, I should be very glad of a steady 5/., but I would accept less if guaranteed a permanent position. With regard to "Nil

Desperandum," he has a balance of 243/. after his other expenditure, but if he does not pay it out in wages, should he not add it on to his 120/, thus making his 6 per cent. a much higher figure; but if, on the other hand, he employs a qualified man with his balance he ought to look on it—at first, at any rate—as a fresh investment. If he gets the right man he ought to find a considerable increase in business; he could, for example, leave all the routine work to the assistant and occupy the time thus freed in developing new ideas and fresh branches or sidelines to his existing business.

Yours faithfully,

UNDER FIVE POUNDS (29/1).

SIR,—As one of the number who passed the Minor examination early in 1914, served in the Army for four years, twenty-nine years of age, and who metaphorically "has gone down into the pits," I venture to make a few criticisms and suggestions to your correspondents "Nil Desperandum" and "Observer" (*C. & D.*, January 29, p. 78). Firstly, it is most distressing to hear that the trade boom has ended, and that profits have so diminished as to make it impossible to pay an assistant what, after all—compared with other trades, and taking into consideration the nature of his work—is quite an ordinary wage. From my own limited experience I have seen the difficulty of making dispensing pay for the whole-time work of the assistant engaged thereon, but fail to see how it can be anything else but a loss when so much low contract work is undertaken for doctors, and the equally unremunerative Insurance dispensing. Top prices must be obtained for best professional work. I grant that there are a large number of assistants requiring employment, some who have taken up pharmacy since the war and lack training, others who, through war service, are sadly lacking in experience, but I refuse to believe that out of so many applicants there was not one capable of undertaking the work required by "Observer." Either the type of assistant he requires does not now exist or else the whole system of present-day training is wrong, and, for business purposes, should be remodelled—discarding the semi-professional education and replacing it with a thorough business upbringing. Even if lacking in experience, doubtless many of the young qualified men requiring posts are fully capable, and before condemning them wholesale it would be fairer to give some a trial, especially ex-Service men. I would ask your two correspondents to forget their present troubles for a short time, to recall some incidents which happened a long time ago—nearly three years or so—and recollect that these self-same men, many of them then lads in their teens, intervened between the all-destroying German hordes and our own little country, making it possible for pharmacists and others to carry on their careers in comparative peace and comfort. For that reason I reiterate my former statement. Before condemning and disparaging give some of these lads a trial, and pay them according to their capabilities, full wages if worth them, and not forgetting that it is one way, and a patriotic way, of paying a debt of honour and confirming rash promises made in the early days of the war by employers. It was because of ill-health and lack of prospects that I have chosen to leave the calling of a pharmacist for an outdoor occupation, but, nevertheless, I still take a keen interest in pharmaceutical affairs, and am anxious to see matters stabilised, and relations between employer and employee arranged for their mutual benefit and for the good of pharmacy as a whole.

Yours faithfully,

Broadstone.

BERNARD E. HANNAM.

SIR,—In the *C. & D.*, January 29, p. 78, "Observer" asks eight questions, which I, as an assistant of nine years' experience, will attempt to answer. In doing this I reckon the gross profit as 35 per cent. of the gross returns, and the establishment charges (including errand boy's wages, rent, lighting, and general expenses) as 10 per cent. of the gross returns. These percentages vary in different localities, but I only take them as the average:

(1) GROSS RETURNS 4,000/.

Gross profit ...	£ 1,400	Establishment charges	4
Deductions ...	900	Assistant's salary ...	2
Net profit ...	£500	Employer's salary ...	2
		Total ...	£8

(2) GROSS RETURNS 1,000/.

Gross profit ...	£ 350	Establishment charges	1
Deductions ...	100		
Assistant's salary ...	£250	Total ...	£1

(3) 6l. 11s. 6d.

(4) 13l. 8s. 6d.

To get the answers given to No. 3 and No. 4 I have counted the cost and sale prices of the last hundred prescriptions in my employer's prescription-book. The prices are calculated according to the North Irish Pharmacists' Association Dispensing Schedule.

(5) Thirty prescriptions would represent an average day's work. Some days over forty prescriptions could be dispensed.

(6) Sixty prescriptions.

(7) Thirty prescriptions per day would represent approximately 175 per week. Employer's salary a profit works out at 18½ per cent. of turnover:

Gross returns for 175 scripts	23 9 10½
Establishment charges=10 per cent	2 6 11½
Employer's profit and salary	4 8 1
Net cost of 175 scripts	11 14 3
Total cost	18 9 4½
Gross returns	23 9 10½
Total cost	18 9 3½
Assistant's remuneration	5 0 6½

(8) 2s. 8½d. per prescription.

I trust that the above answers will satisfy "Observer" that "the labourer is worthy of his hire." Tradesmen who have no examination to pass, can easily earn 5l. a week. Surely an employee in "a highly technical trade" (a term used by Irish employers) who has sufficient intelligence to pass his Qualifying examination is worthy at least that sum! While maintaining that it is necessary that the qualified assistant should be better paid, it is well to remember that the employer is worthy of the best services of his employees.

Yours faithfully,

SINE IRA (30/1)

SIR,—"Nil Desperandum," in his letter (*C. & D.*, January 29, p. 78), begrudges a salary of 260/. per annum to a man who has spent anything up to 200/. to qualify himself. The pre-war salary was, on an average, 1l. per annum; and the cost of living is now 165 per cent. above that of 1914, so that 260/. compares very badly with 120/. in 1914. In the last portion of his letter "Nil Desperandum" grumbles at store competition. He would do better if he copied some of their methods or improved on them. He says his turnover is 3,000/., his invested capital 2,000/., and gross profit 33½ per cent. What is he doing with 2,000/. capital? A chemist's stock should be turned over three times a year at least, and at that figure his stock should be 666l. 13s. 4d. It is impossible to manage this accurately, but his stock, fixtures, and working capital should not exceed 1,000/. The other 1,000/. he has invested only yields him a capitalist's return. He says that his is an average business and agrees with him; but all such businesses are overcapitalised. The capital of a business is subject to what economists call "The Law of Diminishing Returns," which states that beyond a certain point additional capital brought into the business will lessen the percentage profit earned. In "Nil Desperandum's" case 1,000/. would yield him the same profit as the 2,000/. he invested.

could use the other 1.000/. to purchase another business make, perhaps, 200/. a year, after paying a manager 26 per annum and a commission. The cause of the trouble is the wrong system of stock-keeping and ordering. The average chemist will buy twelve Winchesters of gent. co. when he only needs three, if he can save twopence per pound. He buys a direct order of patents toilet goods if he can get a good discount, but perhaps can only turn the goods over once or twice a year. When or ring, if buyers would ask themselves, "How many shillings I buy of this article to turn it over in three months?" instead of, "What discount do I get by buying direct?" the balance-sheet at the year end would be a gratifying surprise. A person in business seeks to get the largest possible return from the least possible capital. If the capital is increased without proportionate increase of profit, the trader has become a capitalist of his own business.

Yours faithfully,

Q. A. (2/1).

R.—The letter by "Nil Desperandum" (*C. & D.*, January 29, p. 78) is interesting, apart from the question of employing a qualified assistant, as showing his income in a business with a 3,000/. per annum turnover, which, according to his figures upon his present basis of work, is 675/. He evidently considers his gross profit to be one-third of his turnover; and for a business of this size I think that is approximately correct. My turnover is approximately the same (3,000/.), and from an analysis of purchases last year, reckoning profit on sales as 20 per cent., own goods 40 per cent., sundries 35 per cent., and drugs 50 per cent. (including profit on dispensing), I find the total net-profit to be:

	£
Less rents, rates, and general expenses, 496/.	1,129
Non-selling purchases, 41/.	527
Income	602

Of course, businesses vary as to profit and expenses, and realisation is an interesting but not a safe procedure. In a business doing a large trade in patents the profits would be much less than the above.

Yours faithfully,

"CORTEX" (2/1).

The Chemist's Dress.

R.—I was most interested in Mr. Marshall's letter (*C. & D.*, January 29, p. 78) and his admission that the fudge in the West-End pharmacist's dress is due to his nation. If he will read "Experto Crede's" carefully worded communication which appears just above his own letter it will, if he is open to argument, convince him that there is something in dress. Mr. Marshall's statement that surgeons and dentists wear overalls when engaged in their professional duties is misleading. Surgeons and dentists only wear gowns when they are operating. They do not wear them in their consulting-rooms. The front portion of the pharmacy is the chemist's consulting-room, and it is at the front counter that I object to the grocer's attire. Assistants who wore "dirty grease-stained coats" should have their wages raised. I agree that all gentlemen, including the Harley Street consultants, have freed themselves from the "tyranny of the frock coat," but that is a general decree of male fashion which has replaced it by the morning coat for all social functions. My tailor informs me that he is making more morning coats than he was before the war. As for the silk hat, surely Mr. Marshall is mistaken. I thought that the long reign of khaki during the war, and the absurdly high prices asked by the hatters, had killed it; but, notwithstanding, it was taken up by Reddy, and consequently it was more worn last summer than for years before the war. It has "gone out" for general medical practitioners, as it is not a suitable head-dress for motoring; but for social functions it is as much *de rigueur* as ever. I am not as unfamiliar with the West-End as my nationality suggests, and my experience is that the consultants wear morning coats in their consulting-rooms and silk hats in the summer months, except when motoring.

Yours sincerely,

AN IRISH APOTHECARY (15/78).

SIR,—I have read with much pleasure the letter of "Experto Crede" (*C. & D.*, January 29, p. 78), in which he supports "An Irish Apothecary," but says he joins issue with me; it has filled me with amazement and forcibly reminds me of the saying that one half of the world does not know how the other half lives. We are told that in his apprenticeship days the pharmacy was like a present-day optician's establishment, that the customers were attracted by the desire to purchase some medicine or toilet article, and, once inside the pharmacy, they stood in awe of the immaculately dressed principal, his assistants, and apprentices, and that they sought the advice of the one equally with that of the others. Now this may be possible, and even probable, in the case of the principal and his assistants; but to think upon what pretext those confiding customers came to seek advice from an immaculately dressed, awe-inspiring apprentice, especially in his earliest days, requires a good modicum of imagination. What was the result of this attitude of the autocratic principals of those days? Was it not responsible for the growth and development of the so-called drug stores, cash chemists, etc., who were destined to go with the times on more democratic principles? If the old school of pharmacists had realised that they were only mortals and in business for a living, it is doubtful if the stores would have had such a chance. "Experto Crede" attempts by quotation an analogy between rags and overalls; but it is really futile and impossible, as the former indicate slovenliness and indolence, the latter cleanliness and industry. He also quotes Shakespeare—"The apparel oft proclaims the man"—but there is no necessity to introduce the word "oft" in a counter quotation, "Honour and shame from no condition rise; act well your part, there all the honour lies." All who have been engaged in pharmacy know that the work is impossible without some soiling of the clothes, which are then no longer elegant nor hygienic. A pharmacist who desires that his apparel should be as hygienic as his work is correct, is surely better entitled to the description "gentleman" than when the opposite is the case. Perusal of the letter of "Experto Crede," as I previously stated, has afforded me pleasure, but I freely confess that even in a flight of fancy or during a post-prandial soliloquy over the nuts and wine (if this were admissible in these days) I could not subscribe to his views.

Yours faithfully,

BRONDESBURY, N.W. 6.

SEPTIMUS WALGATE.

The Chemist's Carboy.

SIR,—May I put in a plea for the retention of that ancient emblem of the healing art—the carboy? I notice that not a few pharmacists have entirely dispensed with it, and that when it is retained it is placed in a position where it is not readily seen, in other words, "skied" near the top of the window. Frequently the carboys which still survive, doubtless on account of their inaccessible position, have a somewhat neglected appearance, and—horror of horrors!—show a deposit! The red lamp of the doctor also tends to disappear, usually because the modern practitioner's wife does not think that it looks "genteel." The red lamp is, however, a thing of modern growth, and only came into existence when the general practitioner—that is to say, an apothecary who had obtained a diploma as a surgeon—began to replace the older men who were only licentiates of "the Halls." The carboy carries us back to the old days of our craft, and was designed to display the calling of the shopkeeper when few could read the name over the door. In the establishment in which I was apprenticed we had three handsome carboys in each window, and together with some ancient jars and ointment pots—which would now be priceless to collectors—they were the peculiar pride of the "ould doctor," as the proprietor was always described. Apart from sentiment, it is bad business policy to divest ourselves of the emblems associated for centuries with the "art and mystery of an apothecary." The public love mysticism as much to-day as they did in the Middle Ages.

Yours sincerely,

AUSPICUM MELIORIS (31/1).

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Appreciations.

M. R. D. (a Pennsylvania pharmacist) writes: I have been a reader of your valuable journal for a little over a year. As this is the first day of a New Year when we make our good resolutions (and as religiously break them) I decided that I would take a little time off from the hurry and worry and tell you I appreciate and enjoy reading your magazine. Its fund of general information is a great help to one that wants to keep posted in his profession, as well as knowing the ups and downs his brother in the same profession is having, in trying to get along with all the rulings and misrulings that he has to labour under and with. Thank you for the *Diary*. We can turn to it and pour out our soul when things have not gone "just right," and we are bowed down with another ruling from the "Treasury Department" when they are a little hard up and want some more cash. What a fund of inexhaustible wealth they must consider the druggist!

Cost of Carrying on the Chemist's Business.

Provincial (18/1) writes: The following tale is worth repeating, as it aptly illustrates the chemist's position regarding costing and pricing. H. Schwab, the steel magnate, in an address to New York traders, said many businesses fail because they calculate their costs on the "feminine plan." To illustrate which he said that on visiting his farm in Arizona, where his wife spent the summer months, she said "We have sold — tons of hay at \$50 a ton, with a profit of \$30." "Looks good," said Schwab, "let's see your balance-sheet. Why," said he, "you have not charged anything for labour." "No," said Mrs. Schwab, "you paid for that."

Legal Queries.

F. C. (24/1).—It would be illegal for an unqualified person to carry on the business of a chemist and druggist, even if he employed a qualified chemist. There is provision made in the Poisons and Pharmacy Act for carrying on the business of a chemist by limited companies.

Unaware (22/1).—The Pharmaceutical Society administers the Pharmacy Acts, and has ample power to enforce the payment of the penalties fixed by the Acts incurred by unqualified persons who sell scheduled poisons and use protected titles. If the penalty incurred is not paid, offenders are sued for it.

C. P. T. (30/1) has been called upon to furnish a certificate of birth, in proof of his age, for the purpose of certain legal proceedings. He was born, over fifty years ago, in a small village in the interior of one of the South American States, at a time when no official record of births was kept. In the circumstances would a sworn declaration by "C. P. T.'s" mother be accepted as evidence in a court of law? [It is impossible for us to say what evidence the Court will require in this particular; but we should think that an affidavit by "C. P. T.'s" mother and also by his father, if living, would be accepted.]

Bruno (24/1).—We are not quite sure whether you are referring to the present state of the law regarding the labelling of the cough mixture with the word "Poison" or as to the requirements of the Draft Regulations under the Dangerous Drugs Act put forward by the Home Office. The Pharmacy Act requires that the cough mixture containing morphine in the proportion of 1 in 560 be labelled "Poison." If the Regulations referred to become law it would appear that the proportion of morphine must be stated on the label, notwithstanding that the Dangerous Drugs Act does not deal with proportions of morphine below 1 in 500.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

H. B. (21/1).—(1) LIQUID PARAFFIN cannot be emulsified in the ordinary sense, but is suspended in a hair-oil by mixing it with a vegetable oil and emulsifying the mixture with tincture of quillaia. (2) THE FLUCTUATIONS IN PRICES as regards the retail were given in graph form in the *C. & D.*, January 1, p. 66, and we presume the graphs of wholesale-price fluctuations followed similar curves.

T. H. (24/1).—BLACK INK FOR COPYING GRAPHS—the following is from "Pharmaceutical Formulas":

Induline R.	3iss.
Glycerin	℥xxxv.
Alcohol (60 per cent.) ...	5j.
Water	3iss.

Dissolve.

A. S. (22/1).—FIRELIGHTERS.—Resin can be used in place of tar for dipping the firelighters. To change the formula because the wrapping paper becomes greasy does not seem the right way of attacking the problem if the present formula is satisfactory. We suggest that use of grease-proof paper as a wrapper would overcome the difficulty.

Leeds (26/1).—PRESCRIPTION PRICING.—The charges based on the London Simplified System, is as follows:

Hyd. c. cret.	gr. xij.	1.0
Pulv. rhei.	gr. xxxvj.	2.5
Sodii bicarb.	5j.	1.0
Bism. carb.	5j.	7.5
Pulv. aromat.	5j.	1.0

Divide into twelve powders.

Dispensing-fee	12.
	25.0

(2s. 1d.)

The price you quote as having been charged by a few chemists is apparently not based on present-day values of drugs.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Feb. 15, 1917.

Year-Book of Pharmacy.

The first issue of this newly-born annual, emanating from such an important body as the British Pharmaceutical Conference, is an event of too much interest to be allowed to pass with the few words which we were able to give it last month. It is to be the first of a series which, in a pharmaceutical sense, is intended to preserve "the story of our lives from year to year." That the great majority of those who read these lines will also be in possession of the book itself is a sufficient reason to prevent us from indulging in any lengthy quotations from its pages, but we would direct especial attention to the preface. There will be found, very distinctly set forth, the right of existence of a Year-Book of Pharmacy, and there, also, the editor's plan of the work is sketched very clearly, showing that by pharmacy the British Pharmaceutical Conference understands an art as comprehensive as the world. Dr. Ince writes: "It has become an impossible task for each individual to follow the progress of our art, even if it exists amongst ourselves, as journals of all descriptions, reflecting every shade of interest, crowd upon his notice as the leaves in Vallombrosa. Still less can he be trusting to his personal resources, to have a modicum of acquaintance with the thought and experience of those who both think and feel exactly like ourselves, but who speak in languages different to our own. It has been the chief wish of the British Pharmaceutical Conference to bring together, with some degree of systematic arrangement, various ideas, French, German, American, and English, bearing on 'our common mistress, Pharmacy.'"

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As far back as 1900 the Anæsthetics Committee of the British Medical Association reported: "Comparing 'pure,' 'methylated' and other chloroforms no evidence is afforded of one kind being safer than another."

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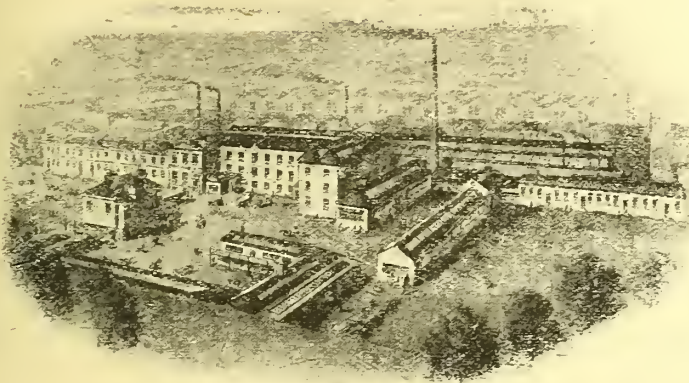
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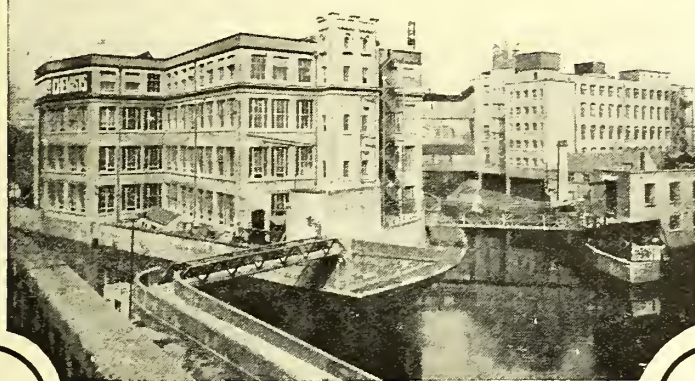
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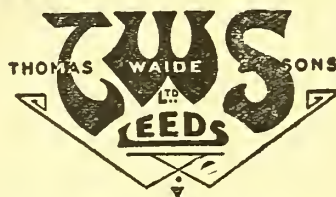
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P.A.T.A. NOTICE.

113 Temple Chambers, Temple Avenue, E.C.4.

5th February, 1921.

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Manufacturers		£6 : 6 : 0
Wholesalers		10 : 10 : 0
Retailers		0 : 7 : 6

Crossed cheques or P.O.'s payable to the Proprietary Articles' Trade Association, to be sent to the Secretary,

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Chemists charge according to their own scale for dispensing.

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For NEURALGIA, HEADACHE,
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TRADE TERMS:

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Plano for Chapped Hands	3d.	11/6	22/-
Naphthalene Disinfecting Blocks	2d.	6/6	12/6
Solid Liniment Tablets Capsicum Amber and Eucalyptus	6d.	22/6	44/-
Railox Nit Destroyer	3d.	12/-	23 6
Do.	7½d.	5/3 per dozen.	
Sleggs' Toboggan Ginger	1/4	12/6	
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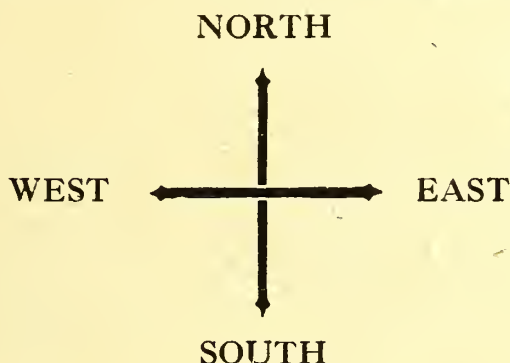
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the perfection of Petroleum Jelly

in qualities, white, lemon, yellow
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WATER PAINT

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Easy and simple to use, and results are CERTAIN every time.

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PREMIER CASTOR OIL

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One Squeeze

and the Dye Bath
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ECROYD & CO.

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And also for samples of "Ralty" Washing Blue—in tubes.

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- ☞ This intensive campaign is being handled by a leading Agency, and will appeal to the public as never before. It will convince them by forceful "copy" and appropriate sketches of the folly of merely asking for a home dye and not for *the* home dye—

FAIRY DYES

- ☞ Quick turnover, increasing sales, repeat orders, for a dye that is simple to use and certain of splendid results, a choice of twenty-two different shades, all alike suitable for cottons, linens, woollens or silks. These are some of the Fairy features.
- ☞ Underline "*Fairy Dye*" in your mind. Put it to yourself this way. "Am I ready with plenty of stocks to meet the demand which is almost upon me now? Fairy Dyes are already in demand, and are sold to the public at 2d. per packet. Can I supply them?"

"FAIRY DYES, Ltd."

Registered Office:

20 Renfrew St., GLASGOW.

Telegrams

"FAIRYLAND GLASGOW."

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED
IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.

Carnwath Road, Fulham, London, S.W.
WHO INVITE INQUIRIES.

METHYLATED SPIRIT

OILS AND CHEMICALS

*Buy from one of the oldest houses in the trade.
Write for Prices. Established 1794.*

SAMUEL THORNLEY, Ltd., Birmingham.

TECHNICAL AND MEDICINAL
WHITE OILS.

PETROLEUM JELLIES.

PARAFFIN WAXES.

NEUTRAL OILS.

Debloomed and Undebloomed.

PALE & RED LUBRICATING OILS.

CYLINDER OILS.

W. J. SMITH,

SOLE EUROPEAN
REPRESENTATIVE,

THE JAMES B. BERRY'S SONS CO. Inc.

110 Cannon Street, London, E.C. 4.

ASBESTOS FILTER FIBRE

Specially prepared for the filtration of Water, Beer, Spirits, Vinegar, Wines, Gelatine, Pharmaceutical Products and Essences.

GIVES A CLEAR AND
SPARKLING FILTRATE
AT A MINIMUM COST.

PURE, NEUTRAL AND INSOLUBLE.

Write for Samples and Prices to
TURNER BROTHERS ASBESTOS CO., Ltd.,
ROCHDALE, England.

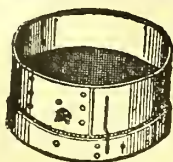


1469A.

End-a-Tear

mends tears *better* than needle and thread, and does it more quickly. It is a thoroughly useful line to carry, and the profit is excellent. Send for particulars.

THE LEICESTER RUBBER CO. Ltd.
18 Granby Mills LEICESTER.



For your Sieves and Wire Gauze try the actual Makers!

S. RAMSEY & CO.,

198/202 ST. JOHN STREET, E.C. 1.

Telegrams: "Methodical, Smith, London."

Telephone: Holborn 6337 (3 lines).

EUCALYPTUS OIL

B.P. 70/80 %

OLIVE OILS

All Descriptions.

LIQUORICE

Block and Sticks.

CASTILE SOAP

White and Mottled.

COD LIVER OIL

Medicinal and Cattle.

WE ARE NOW MAKING SPECIAL OFFERS OF ABOVE.
: : WRITE TO US FOR SAMPLES AND PRICES : :

STRICTLY WHOLESALE.

F. CHIESMAN & CO.,

59 ST. MARY AXE, LONDON, E.C. 3.

Telephones :
AVENUE { 63
(2 lines)
6994

AND AT

LIVERPOOL, GLASGOW, BRISTOL, ETC.

Telegraphic Address :
"PALUSTRIS, LED, LONDON."

Profitable Winter Specialities

There is still plenty of winter trade to be done, and it is unwise to let stocks run too low.

Below are given the outstanding features of a few preparations which will be in demand during the next two or three months. They, like all P. D. specialities, show a margin well above the usual rate of protected profit, and all are endorsed by the medical profession.

33 % Cod Liver Oil Emulsion, P., D. & Co.

Doctors prescribe this emulsion because it is guaranteed to contain a definite proportion of the finest non-freezing oil. Pharmacists are not afraid to stock it because its keeping qualities are guaranteed. Patients take it readily because its palatability is due, not to the sacrifice of any valuable quality, but to the use of the finest oil, and to skill in the selection of flavouring agents, and in the preparation of the emulsion.

	M.R.P.	M.W.P.
5 fl. oz.	1/8	14/2 net per dozen.
8 " "	2/6	20/8 " " "
16 " "	4/6	36/9 " " "

Mentholated Bronchial Lozenges, P., D. & Co.

The formula is printed on every tin and the ingredients include no astringent or narcotic; they are therefore safe for continued use or for children. A further recommendation is the shape; the absence of corners enables a lozenge to be comfortably held in the mouth, whilst the degree of compression used in the manufacture is adjusted to ensure slowness of disintegration and a maximum of local action. The convenience of the flat tin is appreciated by many who, being away from home, cannot well carry a bottle of cough mixture.

Tin of 36 M.R.P. 1/3

M.W.P. 9/- net per doz.

Capsolin

A convenient external counter-irritant in collapsible tube. May be advantageously used in place of a mustard plaster. Free from unpleasant odour.

M.R.P. 1/9 per tube

M.W.P. 14/- net per doz.

Inhalone

An anti-bacterial, soothing and emollient nasal application. Issued in a collapsible tube with an elongated nozzle to facilitate direct application.

M.R.P. 1/3 per tube

M.W.P. 10/2 net per doz.

Other preparations which should not be overlooked are Euthymol Tooth Paste, Euthymol Cold Cream, Euthymol Cream with Lanolin, Euthymol Talcum Powder, Boroseptic Ointment, Oral Antiseptic Tablets, Stimulating Embrocation, &c.

A card will bring you a complete list of protected retail and wholesale prices with particulars of special terms.



PARKE, DAVIS & CO.

50-54, Beak Street, LONDON, W.1.

Laboratories - - Hounslow, Middlesex.

TRY

C. R. HARKER, STAGG & MORGAN,

FOR

LTD.

EMULSIONS

COD LIVER OIL

AND

PETROLEUM

WHITE AND INSEPARABLE.

Packed in 3, 4, 6, 8, 10, 12, 16, 20 and 32-oz.
Bottles. With or without Cartons.

We have a Large Assortment of Artistic Labels
and Cartons, and will be pleased to submit same
for your selection.

To Buyers in Bulk we can offer very advantageous prices. Please send us your enquiries.

C. R. HARKER, STAGG & MORGAN, Limited,

Devon Wharf, Emmott Street, LONDON, E. 1

"Malto- Yerbine"

Registered Trade Mark.

Ensures Restful Sleep.

INDICATED IN

Night Cough,
Post-Influenzal Cough,
Asthma,
Bronchial Troubles, and
difficult Expectoration.

A Doctor writes :

"I am trying the effect of Malto-
Yerbine in a case of Phthisis
"with considerable cough and ex-
"pectoration. The patient is
"much better since she began
"using it."——M.D., M.R.C.S.

NOW BEING FREELY
ADVERTISED IN THE PRESS.
Price 3/- and 5/6, P.A.T.A.

The Maltine Manufacturing Co.
LIMITED,
ACTON VALE, LONDON, W.

Maltine

REGD. TRADE MARK

Indications :—

As a Starch Digestant in Feeble Digestion
As a Preventive of Coarse Curdling in
Milk Diet.
As a Corrective in Constipation with
Infants.

RICH IN BONE-PRODUCING
and FAT-FORMING ELEMENTS.

Price 2/9 and 4/6, P.A.T.A.

Prescribed for over 40 years.

From all Wholesale Houses.

Maltine

REGD. TRADE MARK
WITH Cod Liver Oil

A Nourishing Flesh-forming Food con-
taining 30 per cent. pure Norwegian
Cod Liver Oil.

Price 2/9 and 4/6, P.A.T.A.

From all Wholesale Houses.

Regularly prescribed for over 40 years.

Eleven Gold Medals Awarded.

The Maltine Manufacturing Co.
LIMITED,
183 ACTON VALE, LONDON, W.



MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

Telephones:
Nitshill-Pollokshaws 14
London-Avenue 5661
(3 lines).

PERRY & HOPE, Ltd.

Telegrams:
"Perryope, Nitshill."
"Perryope, Ltd."
London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

Profit by our huge Sales

An ever-increasing demand is the best guarantee of a rapid turnover and a good profit. Kutnow's Powder, by its genuine health-aiding properties, has during the last year secured the favour of a large public, which is ever

being increased by recommendation and extensive publicity. Chemists all the world over who sell Kutnow's have no fault to find with the fair profit it yields to them.

S. KUTNOW & CO., LTD., 41 Farringdon Rd., London, E.C.1

Ask your Wholesale dealer for full particulars.



PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

VINUM AURANTII B.P)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only.)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C.3.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY CO. LD.

The Largest Makers in the United Kingdom.

BANKHALL DISTILLERY, S. ROAD, L.S. LIVERPOOL Office: 4 India B'gs, Water St. Liverpool.

The Nutrient Laxative

*Obstacles to
Nutrition*

*Overcome
by Virolax*

MANY foods contain a large quantity of flesh-forming and energy-promoting substances, but where the organs of digestion and excretion are unable to work to their full capacity little benefit is derived from the food. Indeed in many cases, as the Physician will recognise, bulky foods aggravate the condition:

- (1) By forming further accumulations in the bowels.
- (2) By overweighting the intestine and dragging it out of place.
- (3) By the production of poisons from excessive bacterial activity.

These difficulties are met by Virolax, which combines the nutritive properties of Virol (egg, bone marrow and malt extract) with the laxative properties of liquid paraffin.

An important feature of Virolax is that in combining these two components the paraffin becomes so finely emulsified that the uncertain action of paraffin in its ordinary state is entirely avoided.

Virolax feeds while it relieves and is therefore in a category apart and so pleasant in flavour that it may be taken with the greatest benefit by children or adults as a laxative nutrient in all cases of irregularity so apt to tend to bacterial poisoning.

Virolax is packed in 4 oz. and 16 oz. tins at 1/- and 2/8, and is supplied to the Trade in one dozen boxes at 10/- and 27/- per dozen. Terms: £3 orders carriage paid, less 5%. On orders over £5 an extra discount of 5% is allowed on condition that window display is made. These terms will also apply to combined orders for Virol and Virolax to the value of £3 and £5.

Virolax

(Registered Trade Mark).

Show cards and advertising material on application.

VIROL, Ltd., 148-166, Old Street, London, E.C.1.

'San-a-gen' Sales Talk

IDEAS & INSPIRATIONS FOR THE CHEMIST.

Do you "Sell" Goods or just "Keep" them for Sale?

HERE are two ways of making sales. First—the old-fashioned way—just keeping goods for sale to customers who ask for them.

Second—the modern way—making the Public buy the goods you have for sale.

The first way is the uninteresting more or less mechanical way of simply handing over articles to the public buy for themselves. How much more interesting the *planning* to make the Public want and purchase MORE than the things they know they want.

It is not simply a case of telling people what they do not want. The luxuries of yesterday are the necessities of today.

The Tale of the Tooth Brush.

The toothbrushes, for example. The parents or grandparents of millions who now daily use this staple chemists' line did not use a toothbrush because they did not KNOW of this useful article.

Thus we see that Salesmanship is the art of making known the merits of a desirable article.

The Chemist of to-day KNOWS the one great need of to-day is something that will help the strained nerves of the Public.

The Bishop of Chelmsford noted this fact some time ago when he declared that "there is no man or woman in England who is not suffering from nerves."

Thus creates an undeniable opportunity for making known the nerve-nourishing merits of SAN-A-GEN Nerve Tonic Food. And the remarkable thing about such introduction of SAN-A-GEN to the many who need "something for their

nerves" is that such folk not only buy—and go on buying—SAN-A-GEN, but they also express their gratitude to the Chemist for his good advice.

To create Trade-building goodwill.

Goodwill is based on a sense of gratitude or appreciation, and here we see an example opening for SAN-A-GEN Sales Talk that not only sells SAN-A-GEN, but also creates trade-building goodwill for the Chemist who is sufficiently intelligent and ambitious to do more than merely "keep" goods for sale.

A capital way of leading up to ever-increasing sales of SAN-A-GEN is to place on a handy part of the counter a little pile of the Sanagen Co's. latest treatise on *Neurasthenia*: "The Problem of To-day and To-morrow."

Customers interested in the betterment of their nerves seize on and read this treatise with avidity, and even if they do not purchase a trial 3/-, 5/-, or 9/6 Tin of SAN-A-GEN there and then, the

treatise they carry away to read serves as the Chemist's extra outside Salesman, quickly bringing the reader back again for the first of a series of Tins.

Of course, it helps to the success of this selling-plan to have a few tins of SAN-A-GEN handy on the counter near the pile of copies of the treatise.

This selling-plan costs the Chemist nothing, notwithstanding its quickly demonstrable sales results.

Why not try out this Sales Plan?

Why not try out this little selling plan? The Sanagen Co. will be pleased to send 50 or 100 copies of the treatise—and almost every copy taken away will lead to a series of sales of SAN-A-GEN to the reader.

Besides, SAN-A-GEN Nerve Tonic Food is being regularly advertised. Further, it is an always British and British-made preparation that won the high award of the Gold Medal at the International Medical Congress, held in London, 1913.



The Nerve Need of the day that sells again and again.

All Wholesalers stock SAN-A-GEN Nerve Tonic Food, but in case of any difficulty in supply, or to obtain copies of the treatises mentioned and other advertising matter, address:—

SANAGEN COMPANY, LTD.,
Sheepcote Lane . Battersea . LONDON, S.W.11

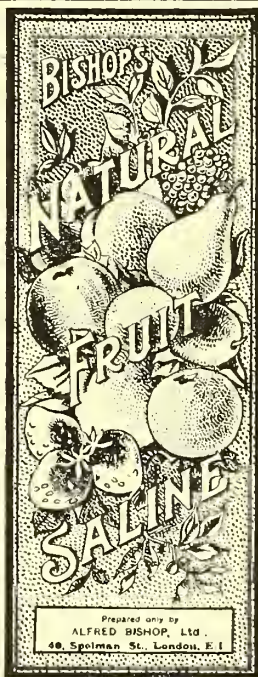
Telephone: Latchmere 4363.

Telegrams & Cables: "Phosaglyc. Batt-Square, London."

BISHOP'S NATURAL FRUIT SALINE*What it is.***BISHOP'S
Natural Fruit Saline**

is free from sugar or saccharine, yet makes a delightfully palatable beverage. Clears the liver and kidneys, and acts as a mild aperient. It is manufactured in small granules and keeps well in any climate.

*It pays to push
BISHOP'S !*

*What it costs.***BISHOP'S
Natural Fruit Saline**

retails at 2/3 per bottle
P.A.T.A.

Wholesale price, 20/-
per dozen.

5 dozen - - £5 0 0

10% discount 10 0

Net £4 10 0

Carriage Paid

Thus showing a profit of
9d. per bottle.

*Attractive show material and
price cards sent with each order.*

PREPARED
ONLY BY

ALFRED BISHOP, LIMITED, 48 Spelman St., LONDON, E. 1

**THE CHEMISTS' APERIENT MINERAL WATER*****Aquaperia*
(Harrogate)**

P.A.T.A.

3/- per doz.
allowed for
Empty Bottles
returned
Carriage Paid,
to our Factories

Standardised & Bottled by CAMWAL, Ltd., at their Spring at Harrogate.
Supplants Apenta, Hunyadi-Janos and German and Austrian Waters of similar Character

Of all Wholesale Houses,

and **"CAMWAL" LTD.**

**HARROGATE, MANCHESTER,
BIRMINGHAM, BRISTOL,
MITCHAM, LONDON, & DEPOTS.**

Special Export F.O.B.
quotation, including
packages.



Sells readily ALL the time.

COLEMAN & CO., Wincarnis Works, NORWICH.

IMPORTANT NOTE**TO CHEMISTS
WITHOUT LICENCES**

It has been established
by law that Registered
Chemists may sell
"Wincarnis with
Quinine" without
licence.

**If you want
good value in**

FOREIGN AND
BRITISH WINES.

"CROWN" Brand
BEBIG'S MEAT & MALT WINE.

"WIN-FERRO"
TONIC BLOOD WINE.

**TIME JUICE CORDIAL
AND LEMON SQUASH.**

For Prices & Samples write to—

LAMB & WATT Ltd.
(Established 1847)

4 St. Anne Street - Liverpool.

Highest Awards at all International Exhibitions
where shown.



The Finest Quality
Aerated Waters are
made only with
the Finest Quality
ESSENCES

**BOAKE
ROBERTS'**

Soluble Essences are
of the finest quality
and being extremely
concentrated are
most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash Vanilla

A. Boake Roberts & Co. Ltd.
Stratford-upon-Avon

D^r HALE'S
VIN-SANGUIS
WINE FOR THE BLOOD

Fountain of Health

If you have a
Wine License we
will pay the fee.

If not, get one,
we will pay
license.

Send for any



You agree to display
"Vin Sanguis" always
You give us an
agreed initial order
You always keep stock

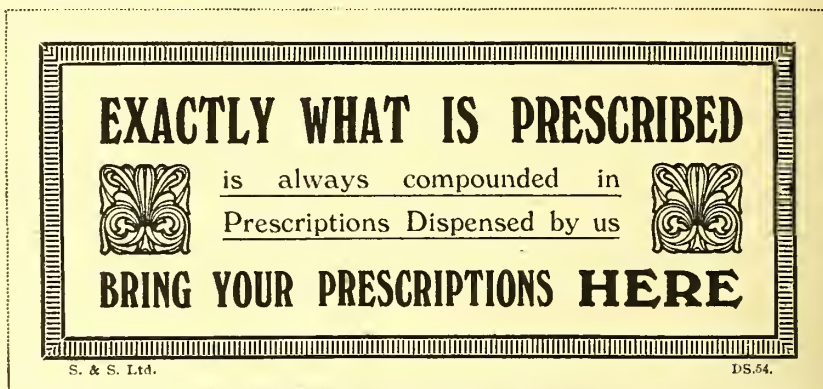
for further particulars

PROPRIETORS OF
DR. HALE'S VIN-SANGUIS

Transcontinental Agencies Ltd.
14, Southampton St., London, W.C.2

S. & S. "DS." SERIES OF SHOWCARDS

:: Designed and Worded in Pharmaceutical Style ::

In
Sets
of
Seven
for
5/-In
Sets
of
Seven
for
5/-

A SPECIMEN. - - - Size 5 x 9.

:: STOCKED IN 10 KINDS. ::

Write for Illustrated Leaflet

SUTTLEY & SILVERLOCK, Ltd., Blackfriars Road, London, S.E.1

**FORD,
SHAPLAND
& CO. LTD.**

**FINE ART
PRINTERS**

G.T. TURNSTILE
HIGH HOLBORN W.C.1.
TELEGRAMS: FORSHAPCO.
WESTCENT, LONDON
TELEPHONE: CITY 65

IF YOU USE
TRANSPARENT
(GREASEPROOF)
PARCHMENT ENVELOPES
.. FOR ..
SHAMPOO
POWDERS

DRUGS, CHEMICALS, &C., &
PLEASE LET US QUOTE YOU.

WE ARE THE LARGEST MAKERS
OF THIS CLASS OF ENVELOPES

SAMPLES ON APPLICATION.
— PROMPT DELIVERIES. —

GEO. OWEN & SON
ENVELOPE MANUFACTURERS & PRINTERS
FLORENCE STREET, HOLLOWAY HEAD.
BIRMINGHAM.

"I should be
very pleased if
you could let
me have the
address of an
agent." —

Why let them ask?

Enquiries are constantly coming in asking where "Bravita" can be obtained. Why not carry stock and let the people in your district know that you can supply? "Bravita" is a good line—a line that not only ensures repeats but recommendations.

Bravita

REGD TRADE MARK

PROFIT **33 $\frac{1}{3}$ %**

Price per dozen
packets, 12/- net;
to retail at 1/6
per packet.

VITAMINE NERVE FOOD

Sole Agents and Distributors:

FRANCIS NEWBERRY & SONS, Ltd., CHARTERHOUSE SQUARE,
LONDON, E.C.1

Manufactured by FORGET-ME-NOT, LTD., Nottingham.

D. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

Food for Babies, Prepared Barley,
N. F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE.

We issue a list of WHOLESALER HOUSES who keep above in stock if for any reason you have difficulty in obtaining supplies, please send card direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd.,
Cambridge Road, Bethnal Green, LONDON E.

All advertising matter—Booklets, Window Displays
Showcards, etc., free on application.

B.—Our goods are to be sold only at prices stated upon the Price List.
C.—We issue to the trade, and we are pleased to exchange any article which may be out of condition.

ENERGEN DIABETIC FOODS.

The ENERGEN FOODS are now being recommended by the medical profession as they are the only ones that fulfil their requirements. They are the most palatable and nutritious Gluten Foods on the market.

Packed in sealed boxes specially for Chemists' Trade. The Energen Foods, unlike other Gluten Foods, keep perfectly.

The ENERGEN FOODS yield a good profit to the chemist.

Enquiries invited.

THERAPEUTIC FOODS CO., 19c Roundwood Rd., Willesden, N.W.10.

[3]

VITMAR

The Medical Profession are recommending VITMAR for delicate Children and Invalids.

If you do not yet stock it your wholesaler will supply you.

Manufacturers—

CALARD & CO., Food Specialists,
7 Regent Street, LONDON, W.1.

GARFIELD TEA

PROMPT SHIPMENT

ALL SIZES

Phone or Write:

GARFIELD TEA CO.

44 Foxbourne Road,
BALHAM, LONDON, S.W.17.

A SATISFIED CUSTOMER IS THE CHEMIST'S BEST ADVERTISEMENT

The Marvel Whirling Spray Syringe



Gold Medal Awarded, Paris, 1902.
by the Société d'Hygiène de France

as the latest and best improvement in Vaginal Syringes. Particular attention is called to the fact that by reason of its peculiar construction the Marvel Syringe dilates and flushes the vagina with a volume of whirling spray, which smooths out the folds and permits the injection to come into contact with and cleansing the entire surface.

Fully Protected by Patents.



IT IS A MARVEL



You can safely recommend it.

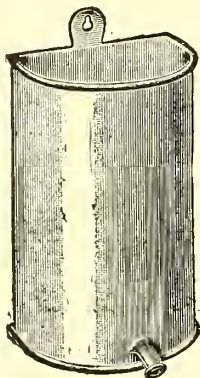
Has no rival on the market, is well advertised, pays a good profit, quality guaranteed. The MARVEL is returnable for exchange if found defective and reported promptly.

Trade price, 125/- per doz.

Retail price, 15/- each.

FASSETT & JOHNSON, Ltd.
86 Clerkenwell Rd., London, E.C. 1.

Enamelled Hospital Requisites



China White Enamelled Steel DOUCHE CANS

Bent spout which
prevents rubber kinking.
2, 3, 4 & 6 pints
With front handle if required.

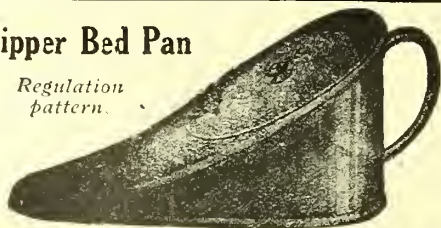
Male URINALS

(939 B)
Only pattern made.

IMMEDIATE DELIVERIES

Slipper Bed Pan

Regulation
pattern.



ACTUAL MAKERS:
ORME, EVANS & CO. Ltd., Elgin Works, WOLVERHAMPTON (2)

TRADE MARK

PERFECTUM SERIES



ENEMA SYRINGES

FINEST QUALITY.
COMPLETE IN BOX from 26/- Doz.

ARTHUR BERTON, LIMITED,

15, 17 Worship Street, LONDON, E.C. 2.
MANCHESTER & GLASGOW.

77 Lower Chatham Street, 11 Miller Street,

TELEGRAMS: "AYBELIM, FINSQUARE, LONDON"
PHONES: CLERKENWELL 1347-8-9 (Private Exchange).

WM. EDWARDS & SONSTHE
"Victra" Feeding BottleCOMPLETE
WITHTEAT AND
VALVE

W. E. & S.

LONDON.

Facsimile of Label round Box

Each in Box with Teat and Valve	-	per doz.	12/-
In quantities of 6 doz.	-	„	11/6
Spare Bottles	-	per doz.	6/6
Spare Teats	-	„	1/9
Spare Valves	-	„	1/-

157 QUEEN VICTORIA ST., and 239-240 Upper Thames St.
LONDON, E.C.4

BANDAGES

N.H.I.

1" (3 yds.) 1½" 2" 2½" 3 4' (4 yds).
10/6 21/- 30/- 36/- 40/- 49/- grs.

W.O.W. (6 yards).

20/- 30/- 40/- 50/- 60/- 80/- grs.

Abs. Wool (Interleaved).

1/8 lb. Super 2 - lb.
1/7 (14-lbs.) „ 1/10 (14-lbs.)
1/6 (28-lbs.) „ 1/8 (28-lbs.)

BOTTLES

We can now supply the well-known
[W] brand. In assorted crates
of about 5 gross ex works. These
are genuine tinted and of high-class
finish. *Prices on application.*

THOMAS SWALES,*Druggists' Sundriesman,*

24 Butts Court, and 89 Albion St., LEEDS.

*Telephone : 22260.***RENÉ HEYMANS**

9/10 DOMINGO STREET

Tel. : CITY 3765 36 OLD ST., E.C. 1.

Vulcanite DOUCHE FITTINGS

„ Spare Parts
„ Enema Pipes
„ Whirling Spray Canules

BONE SHIELDS**BONE MOUNTS****BONE RINGS**

French CAPPING SKINS (opaque and transparent)

TOOTH COMBS

(Best Ca'alith)

POCKET COMBS

Cheap lines in NAIL FILES (bone and steel) carded.

SAFETY RAZORS and spare blades.

French SHAVING BRUSHES

NAIL CLIPPERS.

TOOTH BRUSHES

at low prices.

And all kinds of Surgical and Hygienic Rubber Goods.

FOR TRUSSES, BELTS, SUSPENSORY BANDAGES, ETC.

TRY THE ACTUAL MAKERS—

SAYERS, SILCOX, GUZNER & CO., LIMITED,
14, 15, 16 Prospect Street, HULL.

G.A.

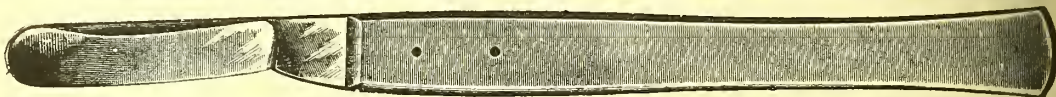
ELASTIC GUM SURGICAL INSTRUMENTS



Catheters and Boudies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Oesophageal Instruments, Horse Catheters and Cattle Probangs. Wholesale and Export only. Price List from the Manufacturers.

MASON BROS. & CHAPMAN, 107 Whitecross St. LONDON, E.C.1

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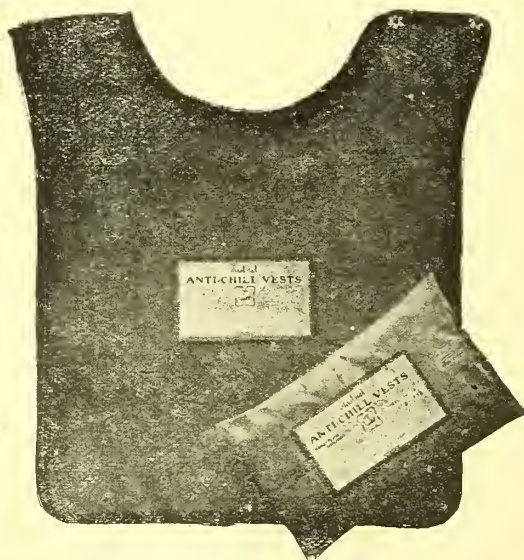
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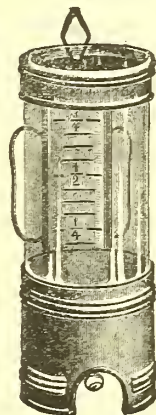


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		3 6	4 0	4 9
Fig. 990.	Do., enamelled iron	5 6	6 0	6 6
Fig. 1067.	Do., with glass container	5 0	5 9	6 6
	Spare glass containers ...	3 6	4 0	5 3

Fig. 990.

Fig. 1067.

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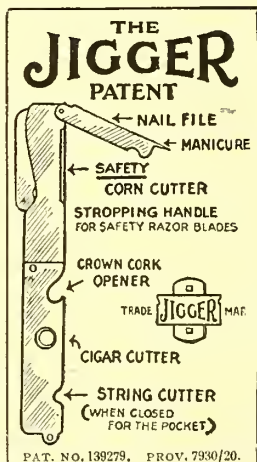
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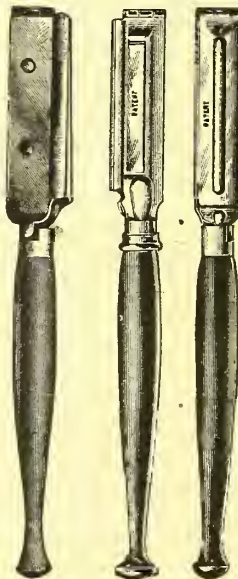
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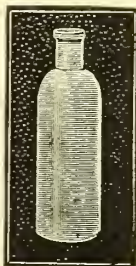
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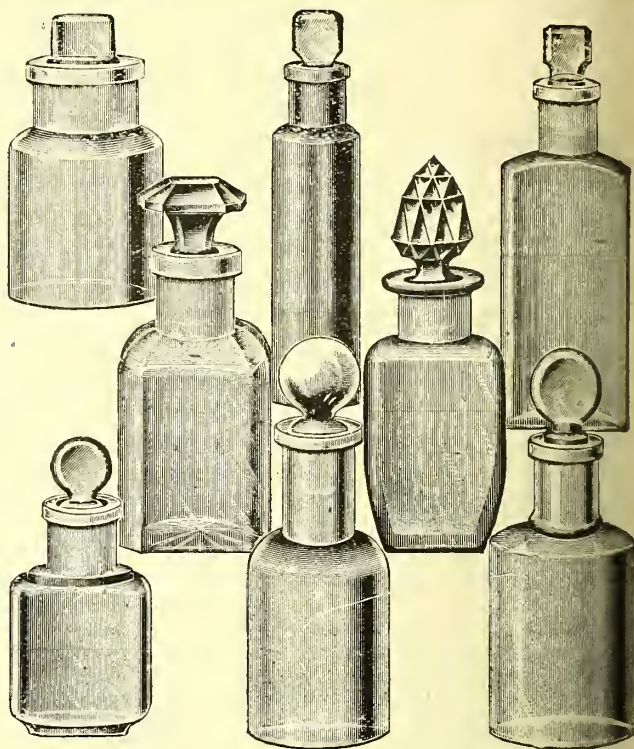
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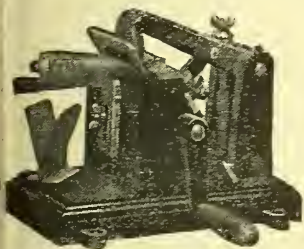
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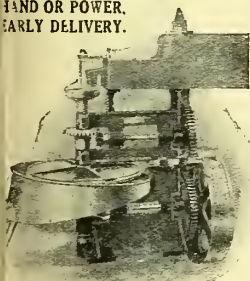
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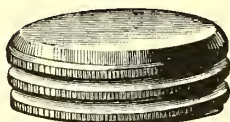


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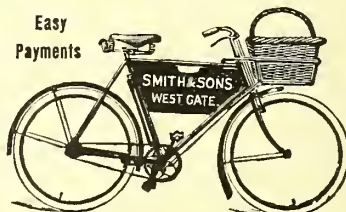
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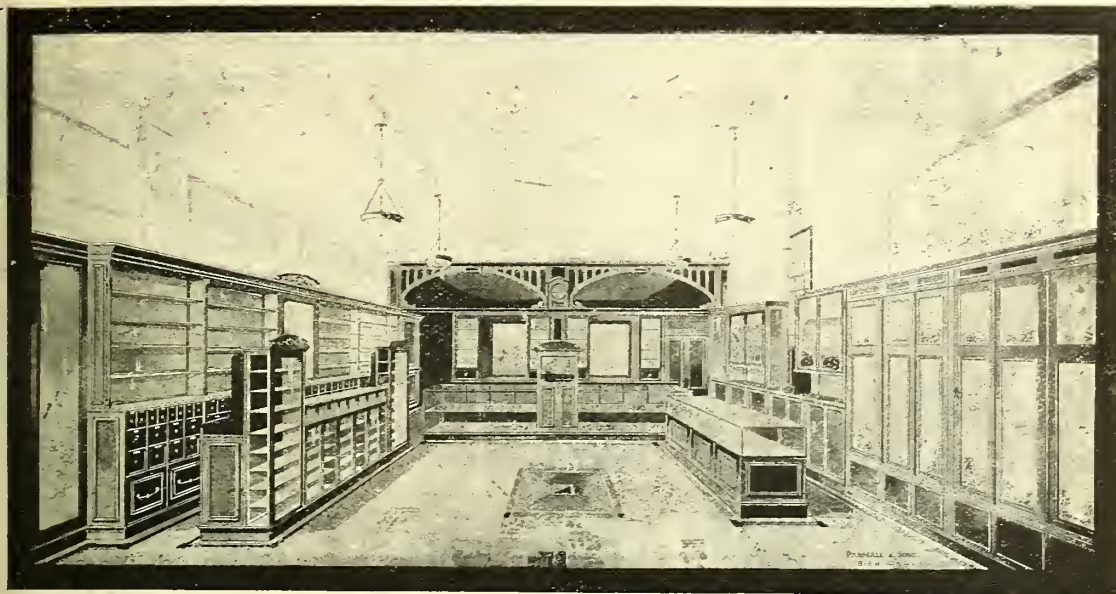
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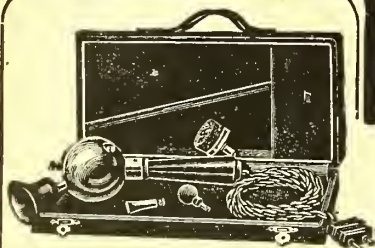
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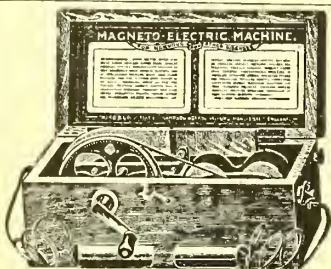
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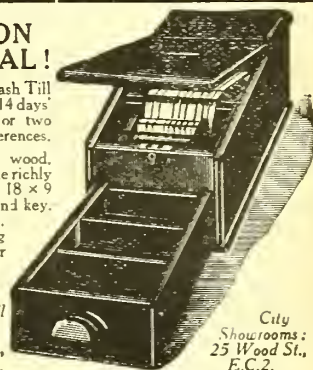
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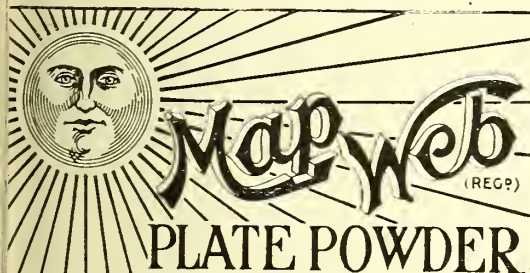
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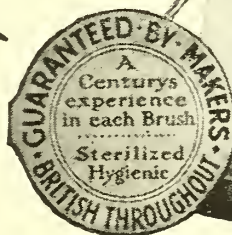
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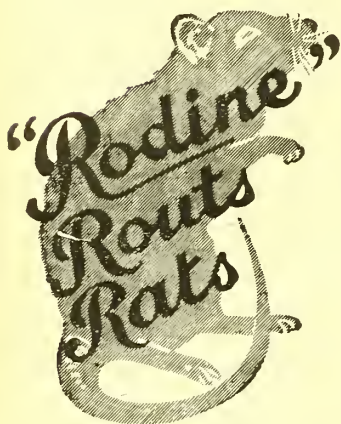
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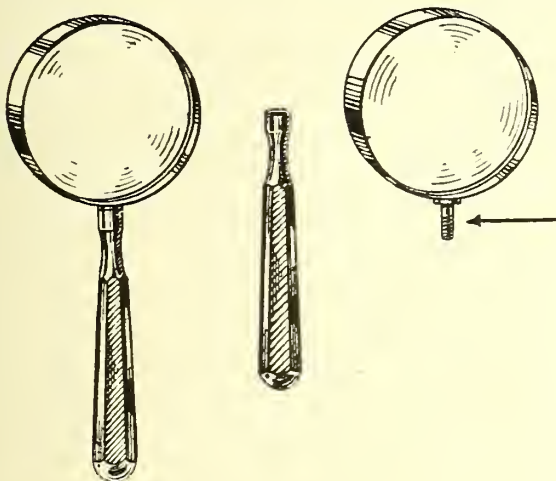


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THE CHEMIST AND DRUGGIST

SUPPLEMENT

42 CANNON ST.
LONDON E.C. 4

FEBRUARY 5, 1921

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

REVISED ADVERTISEMENT TARIFF.

Businesses Wanted and for Disposal, Premises to let, Goods and Shopfittings for Sale, and Agencies: 6/- for 50 words; every additional 10 words or less, 6d.
SITUATIONS OPEN: 6/- for 40 words; every additional 10 words or less, 6d.
SITUATIONS WANTED: 2/- for 18 words; every additional 10 words or less, 6d.

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All advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an advertisement this may be done, provided the money is telegraphed at the same time.

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Telephone: Central 3617 (3 lines).

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EARLIER CLOSING FOR PRESS. Will advertisers please note that until further notice it will be necessary that Advertisements entered for the Supplement must reach us not later than the **FIRST POST THURSDAY MORNING.**

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- 6.—LONDON, N.—Retail and Dispensing Business; returns £3,000; *net profit* 25%; single-fronted shop, well fitted and fully stocked; there is a seven-roomed house; rent £65; held on lease; price £2,000, or valuation terms entertained.
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— LIMITED —

Head Offices—31 Kimberley House,
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3.—YORKSHIRE.—Neglected Business, scope for increase; busy, thickly-populated town; low rental and good house accommodation; excellent stock and good fittings; low price for prompt sale.

4.—LONDON, WEST END.—Good-class Retail and Dispensing Business, near Leicester Square; nicely fitted and well stocked; returns £30 per week, which could easily be doubled; excellent profits, and easily-worked Business.

5.—WANDSWORTH.—Chemist's Shop and Premises, freehold, for Sale; shop is fitted complete and ready to commence business; house has seven rooms, kitchen, scullery, and back and side entrances; price £1,500.

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Make a Speciality of the examination and reporting to Vendors or Purchasers as to Value, Prospects, Condition, &c., on Moderate Terms.

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Samples may be seen and further particulars obtained on application to the Admiralty Marshal as above, or to the Auction Brokers, James Dilworth & Son, Manchester.

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6s. for 50 words or less; 6d. for every additional 10 words or less.

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GENUINE Business wanted in a West of England town, with living accommodation; returns £1,800; bank references. "Cyanide," c/o Messrs. Figg, Layman & Umney, Southwark, S.E.

PHARMACIST requires sound Business in South Wales or West of England; returns not less than £2,000-£3,000; ready cash will be paid; Partnership or Management succession entertained; references required and given. Please reply in confidence to "Gladwyn" (275/38), Office of this Paper.

UNQUALIFIED man requires a Drug Store or Chemist's Business, now or later on; Midlands preferred, but not neglected business not objected to; kindly give necessary particulars in first instance, which will be treated in strict confidence. Apply 3/23, Office of this Paper.

AGENCIES.

50 words or less : 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

AGENT for Spain solicited of first-class Drug manufacturers; well introduced in the Spanish market, and offer first-class guarantees and references. Address J. Fajol, Diputacion, 215, Barcelona (Spain).

AGENT.—Pharmacist, 15 years' business experience, Lecturer in Pharmaceutics 2 years, desires to represent a good house, doing new specialties to the Dental and Medical Professions; excellent references given and required; terms to be arranged. A. C. Hossack, 11 Glasgow Street, Hillhead, Glasgow.

CHIMIAN Pharmacist (retired Colonel), having recently disposed of his business, and at present in London, is anxious to touch with first-class British firms open to develop in North America; advertiser has had sixteen years' experience in placing proprietary medicines and druggists' goods in Canadian market, and knows every Druggist in Canada, but is willing to represent good firm in any part of Canada; highest references can be given, and personal interview preferred, as advertiser is a thorough business man. P.C.B. 58/9, Office of this Paper.

100 AGENTS wanted; commission basis; those having established connection amongst Chemists and leading Druggists preferred; good proprietary line much in demand. Requiring experience and ground worked, to "H. J. H." Office of this Paper.

FOR SALE.

50 words or less ; 6d. for every additional 10 words or less, prepaid.

The Advertiser may if preferred have replies addressed to this Office and forwarded on payment of an additional charge of 1/-.

100 Sieve Machine (power), 12" dia. x 3 ft long; spare parts 40-60-80 wire; cost £120 last March; sacrifice £75. E. Chemist, Hammersmith.

100 LANCE.—9 doz. Tooth Brushes, bone 5s. doz, celluloid 4s. 6d., 5s.; 6 doz. Ladies' Dressing Combs, superior, each 1s. 6d., 8s. 6d. doz.; 9 doz. Scurf Combs, 4s. and 6s. 6d. doz. Pocket Combs (cased), 4s 6d. doz.; samples supplied. 3 Harpenden Road, West Norwood, S.E. 27.

100 The Trade-mark "Lyno," registered in Class 3 for Machine. Apply 1/31, Office of this Paper.

100 The with immediate possession, two Shops in busy thoroughfare in Southport (houses occupied); splendid opening chemist; price £900 the lot. Write "Chemist," 81 Broad, Eccles, Manchester.

100 50, under market value; best offer for whole or part lot of original 5-lb. Winchester's of Genuine Mitcham Oil Paint, 1916 guaranteed. Letters to H. A., 113 Great Street, W.C. 1.

100 DOME Mahogany Shop Fittings for Sale, inclusive of over, Cash Desk, Glass Cases and Mirrors; suitable for the dimensions of 15 x 12 feet; all in perfect condition; available. Can be seen fitted up at J. S. Richfields, 13 The Mall, Bristol. Applications the same address.

MUST BE SOLD TO MAKE ROOM.—Minor Apparatus and Books; X-Ray ditto; Dental Engine (Electric) and Sundries; Darracq 4-seater Car, pleasure or commercial; perfect; Car Sundries. M.P.S., 115 Preston New Road, Blackburn.

100 100 pounds, best pre-war quality; 10, 20, 30, 40; sufficient to stock shop. Thomas Bell, Chemist, Ambleside.

100 TABLENG Machine, by Sudworth, for Sale. For full particulars apply 21/18L, Office of this Paper.

100 100 L.B. M. sante Saccharin, 550 guaranteed, 140s. lb.; maximum minimum Thermometer, 10s.; two home Bath Cabinets, each Electric Projecting Outside Lamp, bead design, 40s., 62s. 6d.; three Vibrators, 20s. each; or nearest offers. Jennings, Ltd., Chemists, Larne.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BLACKPOOL.—Pharmacy Business for Sale; good opening for a qualified Chemist, or would entertain partnership with view to possession later. For terms and particulars apply 273/5, Office of this Paper.

LONDON, near.—Good Middle-class Light Family Retail for Sale, owing to ill health; capable of considerable extension; also fine opening for Photo and Optics; no N.H.I.; comfortable residence, with garden. Apply "South" (48/32B), Office of this Paper.

NORTH LANCASHIRE.—Owing to death of proprietor, Wholesale Business, makers of the noted Red, White and Blue Grease Paints, Toilet Requisites, etc., including Recipes; excellent opportunity for energetic man. Apply, with bankers' references, 4/12, Office of this Paper.

PLYMOUTH.—Genuine old-established cash Retail Business for disposal; commanding position centre of town; returns 1920 under unqualified management £1,380; could easily be doubled by a registered man; a rare opportunity for qualified Chemist or firms requiring branch in this important seaport; satisfactory reason for selling; strictest investigations solicited; price, including freehold properties, £2,000. Full particulars will be furnished on receipt of satisfactory references. A. W. R. Collings, 4-5 Morley Street, Plymouth.

SURREY.—Old-established profitable Light Retail, Dispensing, and Prescribing Business; returns £1,750, increasing; price £850, or very near offer. 5/3, Office of this Paper.

YORKS.—Unopposed; returns, 1920, £1,497; commanding, large shop, with roomy house; rent £40 and rates; large sale of own preps. and drugs; few patents; heavy and up-to-date stock; for quick sale, £650; property can be bought reasonably; wine licence now added; trial allowed. "Spectemur" (4/14), Office of this Paper.

YORKS, West Riding.—Unopposed Middle-class Retail; returns £3,400, at over 25% net profit; will accept £1,850 for prompt cash sale; this is approximate value of stock and fittings; vendor owns property, and will grant lease at low rent. Apply W. R. (5/14), Office of this Paper.

APPROXIMATELY £4,000 Returns.—Unopposed Country Retail, Dispensing, and Prescribing Business; cash price, £3,000, or exchange and adjust; lock-up Pharmacy; healthy district; perfect sanitation; early interview for all particulars arranged on receipt of banker's reference; vendor's 6-roomed house (h. and c. water), garden, lawn, garage, may be purchased or leased. "South-West" (5/21), Office of this Paper.

CHEMIST'S Business.—Good position in pleasant country town; double-fronted shop, well fitted and stocked, plenty of storage room; Kodak agency; good living accommodation; pleasant house; charming garden; business, stock, fittings, goodwill and freehold property offered for £1,800 to effect quick sale; owner retiring; possession on completion of purchase. "Fortis" (4/16), Office of this Paper.

FOR Disposal owing to larger interests, an old-established Scottish Wholesale Proprietary Business; turnover trebled last two years; goods on P.A.T.A.; excellent results for a working proprietor or Wholesale distributing house; £4,500 accepted for goodwill, stock, machinery, etc. Apply 7/20D, Office of this Paper.

FOR Sale, Bristol Chemist's Retail Business, in busy locality; lease 1 year 5 months to run; £66 per annum (rates inclusive), renewable at £55 (rates exclusive); average takings £30-£35 a week; could be improved; price about £750. For particulars apply, by letter, to Hudson Smith, Briggs & Co., Exchange Chambers, Bristol.

FOR Sale, genuine Middle-class Retail and Photographic Business; prominent position suburb large Midland town; Kodak agency and scope for increasing business; good stock and well fitted; vendor's own property, quick transfer desired. Full particulars on receipt of bankers' or other satisfactory references. Ophir (4/23), Office of this Paper.

GENUINE old-established, high-class city Business; West of England; excellent profits; for quick transfer as a genuine going concern; £2,300; good reasons for disposal; no agents; full particulars in return for bankers' or other satisfactory references. Apply 3/34, Office of this Paper.

SALES BY AUCTION.

TO CHEMISTS, DRUGGISTS, HAIRDRESSERS, AND ALLIED TRADES.

A large quantity of Chemists' Sundries and Shop Fixtures and Fittings, removed for convenience of Sale, including:—

Tables, Show Cases, Counters, etc.; most of the leading makes of Tooth Pastes and Powders, Face Creams, Brilliantines, Perfumes, Soaps, Hair Washes, Razors and Strops, Neck Wool, Absorbent Wools, Trusses, Drugs, Patent Foods, and Proprietary Articles generally.

MESSRS. FLOOD & SONS

will Sell by Auction, at their Rooms, 474 Harrow Road, W. 9 (opposite the "Prince of Wales"; 'buses 28, 31, 46, 18, 36, and 2; and close to Westbourne Park Station), at 2.30; THURSDAY, February 10, in lots.

On view day prior. Catalogues of the Auctioneers, as above. Chief Office: 8 Westbourne Grove, W. 2. 'Phone: 803 Park.

FINANCIAL.

CHEMICALS.—A well-known merchant firm have available a few thousand pounds for which they seek remunerative investment coupled with sound security; propositions are invited, and will be treated in confidence; principals only. Apply 48/31B, Office of this Paper.

PARTNERSHIPS.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

ADVERTISER desires Partnership in large Retail business at an early date with view to succession; cash available; replies will be treated with strictest confidence. Apply 275/36, Office of this Paper.

NORTHERN Chemist desires to treat with gentleman experienced in Small Packed Goods, able to travel and control both buying and selling; good existing connection, with ample scope for future progress. Please write fully, and state capital available to "Vet." (58/220), Office of this Paper.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if referred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

DEVONSHIRE.—Gentlemanly Junior or Improver, in high-class business (outdoors); good Dispenser and knowledge of Photography essential; no Sunday or night duty. References, photo, and salary required to 4/24, Office of this Paper.

IPSWICH.—Unqualified Assistant, single, in a good-class Dispensing and Photographic business (Developing and Printing Department separate); must be an accurate Dispenser and good Window-dresser. Particulars and salary required to Harold Chard, Chemist, 26 Westgate Street.

LONDON, S.W.—Qualified Assistant (male) wanted; outdoors; experienced in Dispensing and Counter work. Apply, with full particulars, experience, and salary required, Lloyd, 267 King's Road, Chelsea, S.W.

LONDON, S.W.—Unqualified Assistant (male) required (at once) for Stock and Counter; moderate hours; outdoors; no Sunday duty. Apply, giving full particulars in the first instance, to 4/29, Office of this Paper.

MANCHESTER.—Butcher & Simmons, Chapel Street, Salford, beg to thank numerous applicants for position recently advertised. They regret they are unable to reply to each individually.

NEAR MANCHESTER.—Unqualified lady Assistant required for N.H.I. Dispensing and Counter work; must be thoroughly experienced in both; no Sunday duty. Address, stating age, experience, and salary required, with photo. 5/19, Office of this Paper.

A SMART Lady Assistant required for Counter and Window-dressing; salary £2 10s. per week, plus bonus from Profit-sharing scheme; suburban London. Apply 5/12, Office of this Paper.

ASSISTANT, unqualified, single, outdoors, wasted immediately in good-class country Light Retail Dispensing and Photographic business, some Agricultural. Apply, stating salary and giving usual particulars, to A. Elliott Sewell, Chemist, Huddon.

ASSISTANT Junior; age, experience, and salary required; Retail and Optical business; full half-day, no Sunday. Purcell, 2 Duke Street, Douglas, Isle of Man.

EARLY in April.—Qualified Manager, not under 30, married, for good-class Dispensing and Retail Business; permanent home provided; must be experienced, energetic, and capable of developing business on modern lines, and possess under the references; salary and bonus on profits. Please give full particulars in first letter (but no photo). All applications answered in three days respectfully declined. "Devon" (43) Office of this Paper.

JUNIOR Assistant required immediately; must possess knowledge and experience of Dispensing; applicants must send full particulars of past experience, stating age and salary required. Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

JUNIOR Assistant, about 20, well trained, smart, for good-class quick Country trade; good Salesman. State height, age, experience, salary required, when at liberty, and enclose photo in first application, to Mr. Austen, Newsholme's, Ltd., 27 High Street, Sheffield.

LADY Dispenser for Country Practice (Sussex); must be quick and accurate Dispenser and neat Bookkeeper. Please state experience, etc., and salary desired to "Medicus," c/o Mrs. G. E. Pearson & Co., 240 Goswell Road, E.C. 1.

LADY Dispenser required; must be quick and energetic; in Pencil practice; hours 10.30-1, 7-9.30; not Sunday or Friday evenings; live out entirely. Call, any morning between 10 and 1 o'clock, Dr. Hanbury, 157 Roman Road, Bow, E.

LEWIS & BURROWS have a vacancy for a young boy Assistant; outdoors. Apply Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

PART-TIME.—Qualified Assistant wanted (principally for Dispensing); three evenings weekly; salary £1 per week. Apply by letter to "H. C.," 453 Caledonian Road, N. 7.

WANTED, capable Assistant; must be active and capable of no half-holiday or Sunday duty. Apply, stating full particulars and salary required, to Graham, Chemist, 261 Highgate North, Manor Park, E. 12.

WANTED, Manager, qualified, for good country Mixed business near town; active, energetic man. Full particulars, age, experience, salary, and references to BBX, c/o Messrs. Light Layman & Umney, Ltd., 48 Southwark Street, S.E. 1.

YOUNG Junior Assistant, of gentlemanly address and experience, for Dispensing and Front Counter (no N.H.I.) in good-class business; please state age, height, references, experience, salary required; permanency; enclose photo. Oldfield, Chelmsford, Ipswich.

WHOLESALE.

LONDON firm of Chemical Manufacturers and Merchants require a good country Traveller for sale of Photographic and Pharmaceutical Chemicals, with established connections among Wholesale and Retail consumers; salary, expenses, and commission to be given man; permanent position. Reply, stating age, experience, and salary required, to Z.T. 555, c/o Deacons', Leadenhall Street, E.C. 3.

NORTH-EAST ENGLAND.—Opening occurs for young, capable man with ability for travelling; good knowledge of Small Packed Goods and Sundries; permanent position, with excellent prospects. Please give full particulars of experience, with age and salary required, to "Expansion" (P.C.B. 58/22), Office of this Paper.

A NORTH OF ENGLAND firm of Manufacturing Dispensaries require a Clerk, with experience in the pricing of all Medicines and Sundries. Applications, which will be treated confidentially, stating age and experience, to be addressed to 2/21, Office of this Paper.

ST-SS man wanted, with large connection among Chemists, for excellent side-line, consisting of well-advertised Preparations; good commission paid to right man. Write, giving particulars, to Box 47, Bertram Day's Advertising Agency, 116 Strand, W.C. 2.

HURRY MANUFACTURING.—Manager required; preference, qualified man; must be well up in Perfumes, Soaps, Lotions, Creams, etc. Address, stating experience, required, etc., "Perfumery" (14/34H), Office of this Paper.

PRESTATIVE wanted (for London and district) to call on Chemists with Sundries; must have live connection. J. Co., d., Wilson Street, New Cross, S.E.

PRESTATIVES required by old-established firm for sale in Lancashire, North England and Midlands, and various Packed Goods, and Tablets; must have satisfactory references or guarantee; commission only; state ground conditions carried. Apply "C." (274/15), Office of this Paper.

Y L R wanted to take up well-known old-established Primary Article as an extra line; good commission and right man; whole country, or any district; agency Canada, U.S.A., etc. Apply Philippe Henri, Edmonds & Co., Bournemouth.

URS with high-class connections offered easiest possible line, all parts of United Kingdom, in groups of quantities, not to sell or to solicit orders, simply to advertising matter with present customers of an attractive selling about £2, with 25 per cent. discount to commission basis; state ground covered. Apply 2/33, Office of this Paper.

URS wanted for United Kingdom to carry patent, oil preparation as side-line; commission basis. Apply, stating terms, details of lines already carried, and state ground covered, to P.C.B. 58/12, Office of this Paper.

URS, with sound connection amongst Chemists and others in Scotland, Eastern Counties, Home Counties, and Ireland, to sell Tablets and Fine Chemicals packed and sold on commission basis. Full particulars to Pierson, Morrell & Co., London.

Man accustomed to working triple effect Kestner Vacuum and also Vacuum Pan in connection with sugars. Apply B57/29, Office of this Paper.

RETURNING PHOTOS, &c.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded at the due retention of these often means a return to the sender. All personal documents should be returned as promptly as possible after receipt.

SITUATIONS WANTED.

[HOME.]

RETAIL.

For 10 words or less; 6d for every additional 10 words or less, prepaid.

Advertisers may, if preferred, have replies addressed to this section, and forwarded on payment of an additional charge of 1/-.

COMPETENT Pharmacist; single; 32; qualified 10 years; disengaged; any locality; good experience; moderate salary. "C.," Clear Mount, Dorchester.

Qualified; West-End experience; good references; disengaged. J. Henderson, Copthorne, Windmill Common, S.W. 4.

A.A.A.—Qualified; 31; Manager, Assistant, or Locum; permanency preferred; hard worker; good knowledge of modern business methods; capable Salesman and Dispenser; can control staffs; London preferred, but not essential. Apply 4/34, Office of this Paper.

A.A.—Unqualified; Dispenser's post desired at once; London; state salary and full particulars. Miss Rumsey, 128 Belgrave Road, S.W.

LADY Assistant, unqualified, six years' experience at Counter, Stock, N.H.I. Dispensing, seeks position in good-class business; London only. Apply 2/23, Office of this Paper.

LADY Assistant (20), willing and energetic, seeks position in good-class Chemist business; live in; good references; salary no object. Apply "M. R." (2/34), Office of this Paper.

QUALIFIED Chemist, elderly, tall; 5½ years' Hospital war service; any capacity or locality; wages 65s. "Chemist," 25 Miranda Road, Upper Holloway, N. 19.

QUALIFIED Chemist as Manager or Assistant; permanency preferred; moderate salary. Davies, Ty Cwrdd, Llwynhendy, Llanelli.

QUALIFIED ex-officer, young, single, smart appearance, exceptionally keen with Wholesale and Retail experience, together with Agricultural and Photographic, accurate Dispenser and successful Salesman, requires post in any capacity where ability would be recognised; excellent references. J. E. Crowe, c/o Burgess, Ltd., 64 Whitechapel, Liverpool.

QUALIFIED Chemist (25) desires situation; South Lancashire region preferred; Assistant or Branch Manager; splendid references; available February 21st. A. W., "Grafton," Ruabon.

QUALIFIED Chemist (47), disengaged, requires temporary or permanent employment; 5½ years Sergt.-Dispenser R.A.M.C., B.E.F. "Statim," 172 Albany Street, N.W.

RELIABLE Assistant; experienced Dispensing and Counter; good references; moderate salary. "Chemist," 6 Eastbourne Terrace, W. 2.

£4 5s. OFFER?—Qualified; 26; experienced Manager, Assistant; disengaged; North preferred; trustworthy; business builder, Salesman, Window-dressing, Photography, Prescribing. Apply 3/5, Office of this Paper.

ACTIVE, reliable, qualified (25), Square-trained, 2½ years' Dispensing experience, disengaged, seeks situation Wholesale or Retail; any capacity. Apply 4/20, Office of this Paper.

AS Chemist's Assistant (25); knowledge of French; served 3 years' apprenticeship; 12 months at Bath College of Pharmacy. M.L. 16450, Office of this Paper.

AS Manager, Dispenser, or Locum; Minor qualification; good Prescriber; no reasonable offer refused. Stone, 47 Queen's Road, Watford.

AS Manager; qualified Pharmacist, good Optical, Photographic, and Agricultural experience, seeks position; accustomed to town and country trade. Apply 3/29, Office of this Paper.

AS Manager or Assistant; 17 years qualified; London and country experience; excellent references. Apply 5/15, Office of this Paper.

ASSISTANT; qualified; 26; lady; four years' experience Dispensing and Retail; Photography; Locum or permanent. Senior, Church Walk, Melksham, Wilts.

ASSISTANT, unqualified, requires re-engagement, temporary or permanent; five years' experience; abstainer; also experienced Bookkeeper, Dispenser, Doctor. 36 Poplar Road, King's Heath, Birmingham.

ASSISTANT (22), unqualified, disengaged, desires post; five years' experience; excellent references. Owen, Plas Thelwal, Benllech, Anglesey.

ASSISTANT (lady); experienced; Window-dressing, Counter work, Dispensing, Photographic materials, good Stockkeeper; capable of managing branch; good references. Address "Chemist," c/o Mrs. Taylor, East Burnham, near Slough, Bucks.

ASSISTANT; 37; thorough Dispenser and Counter; nine years last situation. Apply 1/33, Office of this Paper.

ASSISTANT, Junior, desires position with qualified Chemist; passed Part I. Minor. M. Catlow, 68 Rhyddings Street, Oswaldtwistle, Lancs.

ASSISTANT or Dispenser, 30, married, desires situation in Retail or Wholesale. Apply M.L. 51039, Office of this Paper.

RUSSIAN gentleman (45), merchant from Petrograd, experienced Druggist, seeks engagement as Continental Sales Manager or Representative of a big firm (Drugs, Chemicals, Perfumery, etc.) for Latvia, Esthonia, Poland, Lithuania, or Czechoslovakia; travelled for many years; thoroughly acquainted with the leading buyers and local trade conditions; languages, Russian, French, and German. Apply 29/34P, Office of this Paper.

TABLETS.—Thoroughly experienced Granulator and Tablet-maker desires situation as Charge Hand; 20 years' experience; at home or abroad; married. Apply 2/26, Office of this Paper.

TRAVELLER, calling on Chemists, etc., in Ireland, is open to arrange for side-lines on commission. Apply 1/27, Office of this Paper.

UNQUALIFIED Assistant requires any position in Wholesale; Wholesale and Retail experience. "Aspirin," 39 Dulwich Road, Herne Hill, S.E.

WELL-KNOWN Traveller is seeking commissions in Drug trade for Northern Counties; leading Drug houses preferred; no Toilet lines required; sound personal connection. Apply Worker, 81 Athol Road, Manningham, Bradford.

SITUATIONS WANTED.

(Colonial, Indian and Foreign).

FRANCE OR ITALY.—Qualified lady, with first-class experience and some knowledge of Continental Pharmacy, seeks situation, end of March or earlier. P.C.B. 58/28, Office of this Paper.

MISCELLANEOUS.

10s. for 60 words; 1s. for every additional 10 words or less.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3. Established 1898. Telephone: 81 Lee Green.—Shares for Sale (free of commission, subject): 250 British Oil and Cake Ord., 27s. 6d.; 95 Brunner Mond Ord., 28s. 4½d.; 100 W. J. Bush Pf., 52s.; 750 Dental Manufacturing (carrying full year's dividend 1920, 1919 dividend 10%), 19s. 4½d.; 200 Lever "A" 8% Pf., 18s. 9d.; 125 Lewis & Burrows Ord. 15s., 50 6% Pf. 13s. 9d.; 50 Magadi Soda Def., 5s. 10½d.; 400 Mellins 6% Pf., 12s. 4½d.; 50 Siegels, 4s. 10½d.—Wanted (subject): 50 Parkes Drug Ord., 19s. 7½d.; Wright Layman Pf., 15s. 9d.—Bankers, London County and Westminster.

SHOP FITTINGS.—Drug Fitting, glass-fronted Counter, Wall Cases, and Dispensary Screens for immediate delivery; lowest prices consistent with high-class work. H. Mills & Sons, Shop-fitters, 163-165 Old Street, E.C. 1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C. 1.

COMPLETE set of Shop Fittings, comprising 14' 0" Drug Fitting, 10' 0" glass-fronted Counter, 6' 0" bent plate-glass Counter Case, 6' 0" handsome Dispensing Screen, Counter, and Sponge Case, 6' 0" Wall Case, Perfumery Case, and Desk and nest of Counter Drawers. Can be seen at Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

OVERSTOCKED.—1½-oz. and ½-oz. Pomades; white flint glass; aluminium caps; 20 gross of each; samples of both, 6d., post free. Silverwood, 24a Fountain Road, Hull.

VERY fine Gardner's Mixer and Sifter for power, Size E, with latest kibbling device; also Automatic Powder Filler; will fill 2-oz. packets 24 to the minute. Cuxson, Gerrard & Co., Ltd., Oldbury.

WHAT offer for following at Liverpool?: 6 doz. Phillip's Milk of Magnesia, small; 1 doz. Phillip's Milk of Magnesia, large; 213 gross Bland's Pills; 4 gross phials Little Liver Pills; 20 gross (about) Corn and Bunion Plasters; 2 doz. small St. Jacob's Oil; 4 doz. large St. Jacob's Oil; special bargain; must be sold. Apply 24/48, Office of this Paper.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO., LTD., New Street Square, E.C. 4; and Published by Proprietors, Morgan Brothers (Publishers), Ltd., at 42 Cannon Street, in the City of London.—February 5, 1922.

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HIGH-CLASS OUTFITS—KODAKS—KLITOS—CAMEOS—REFLEX—PURCHASED FOR CASH.

Good Prices for the Right Apparatus.

Send for Inspection—Goods Returned—Carriage Paid if no business results.

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EXCHANGE COLUMN.

Twopence per word: Minimum 2s.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

FOR DISPOSAL.

SOUTHALL'S Mat. Med. Specimens; new; offers. M.P. 56 Romola Road, Herne Hill.

TYPEWRITER, Empire No. 2, with tabulator; complete; £12 or offer. Apply 3/11, Office of this Paper. **W**HAT offers for new and unused National Cash Register's Credit File; list price £44. Skinner, Chemist, 24 Street, Stirling.

OPTICAL AND PHOTOGRAPHIC.

WHAT Offers? B.P. 1914, as new; Southall's Mat. Med. students' notes (interleaved); Newth's Inorganic Qualitative Analysis. Brown, Ulundi Street, Radcliffe, Lancs. Wanted: Laurance's Practical Optics and Sight-Testing.

DRUGS AND CHEMICALS.

FOR Disposal, Norwegian Pine (Cough) Tablets; also what offers per lb.? Wright, 293 St. Anns Well Road, Nottingham.

WANTED.

PUFF Ball wanted. W. Martindale, 10 New Cavendish W. 1.

CODEX and P.J.F., recent editions. Price to Edward East Boldon.

MIXER for Powder; ½ to 1 cwt. capacity; any condition. Brockhurst Hill, Northwich.

PILL Rounding and Mass Kneading Machines wanted. Parker's, Horton Road, Bradford.

GLASS Shade, with knob, for Microscope, 15" high. Newsholme's, 27 High Street, Sheffield.

A FEW bottles of Nyal's Sulphur Hair Restorer, a Cream Pills. Hanna, Pharmacist, 70 Lower Mount Street, Dublin.

NEW or Second-hand, hand or power operated Machine of making a 1½" tablet. "Statim" (2/40), Office of this Paper.

WANTED, B.P., B.P. Codex, 1914, Pill Machine, gpository mould, mortars, and pestles; state price. 112 High Street, Strood, Kent.

PHARMACEUTICAL Books wanted; cash offers. Gower, Bookseller, 41 Voltaire Road, Clapham.

RADIUM SALT, pure or Residues, old Applie. Apply Harrison Glew, Radium Laboratories, 15 Clapham Road, S.W. 9.

HALF-PLATE Stand Camera Outfit; wide-angle Lens. Tildesley, 247 Linthorpe Road, Middlesbrough.

Carbolic Acid Crystals Cresylic Acid, all grades

ORTHO-CRESOL, 29/31° C.

META-CRESOL, 60 %, 75/80%, 98/100 %

PARA-CRESOL, 32/34° C.

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Anthranilic Acid

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WE ARE SPECIALISTS IN PACKING for the PHARMACIST

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